

SEQUENCE LISTING

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<120> ESSENTIAL GENES AND ASSAYS RELATING THERETO

<130> 9013-44

<140> US 10/070,496

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<150> PCT/GB00/03444

<151> 2000-09-06

<160> 902

<170> PatentIn version 3.1

<210> 1

<211> 131

<212> DNA

<213> Drosophila melanogaster

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<212> DNA

<213> Drosophila melanogaster

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gtgagcgtgt gtgtaaaaat agcgagtgga aggggattcc caaaatataa aaaaagttc 180
gtgccactcg agttctgtcc gcccatatag aaaccctcgc cgacagtcac tcccaccgt 240
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<211> 354

<212> DNA

<213> Drosophila melanogaster

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gttctttatg atggaatttg tgttttttgg gcagcatggc gagcatcctt ttaccaacac 180
cctcgcaaa aggacatacg gaaaaacggg ctggcgctgt gtgtgtgcag ccgaaaatgt 240
gctggcagcg gaacttaatg gatgaatatg aatgaaacgc cgcaacagtc caattgggct 300
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<210> 4
<211> 607
<212> DNA
<213> *Drosophila melanogaster*

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cgaacatgga tctcagtggg ccacaaactc tgaacaacat acttcagccc gacgagttga 180
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tggtttctag cgtggtaaac actcttgccg catttacata tttttgtata gaaattaaat 480
ataaaattcc gggttggtgc aattaaaaac aatggctgct gcagcaacat tattttcctt 540
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cgagttt 607

<210> 5
<211> 585
<212> DNA
<213> *Drosophila melanogaster*

<400> 5
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aagttgttaa atgtgctgtg cgtattttta tagttagttg agaactgtac aagtttttagc 120
taaaggcagc agacgcgtgg ggcacgtaca agtcgaaaat tgtagtgcac cgctcgtgt 180
atcgctgca acatagagtt ttgccgcact tcggttgctg gcggcagcaa gaaaaggcca 240
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ctaatttttg gccttttaaaa accatagttt tttgattttt tagcgcgag cgccgtatgt 480

aggcctgaat ttgtttacta taaagtgaag ccctcgaag aaccttaata ggaaataata 540
aatagccggt gactaccggc aacgcccatt aacacgcaca cttac 585

<210> 6
<211> 408
<212> DNA
<213> *Drosophila melanogaster*

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gttgtcaatt atcggtttaa cccatgtcga ccgcgggggc cagtggcaat taattaattc 180
aatcgcttca attgactgcg tatcgctgtt aggaacggct ttaatcgctg taattcaata 240
aacatttctt gctctctctt cccatcgag ccaaaatcgg aatcttctat gtggccttct 300
acggagtctt agccgccctc gttgccatct gcatgtgggc cttcttccaa actctcgatc 360
ctcgcatccc caagtggacc ctggaccggt ccctgatagg tacaaatc 408

<210> 7
<211> 540
<212> DNA
<213> *Drosophila melanogaster*

<220>
<221> misc_feature
<222> (1)..(540)
<223> n = ambiguous/unknown nucleotide

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catactnnnt ttacattggt atgaccacgc tgactgcaag cccactaccg attattcatc 180
gagactttat cgccaactgc ttcagtcgcc tctacaaaac cccccgtac actcagacta 240
gggtactcat agacacccta ggctgagacc gactgaaggc accttactgc cgaatgtcct 300
tggcatgata ggttcccaca actcgtcctt ggaggtcttc cggcgcgtaa tacgcgttgc 360
cgatcttctt ccgaagtcgc gattttatga acgtcgggtc aaacttggcg ttataaccag 420
tttgaaagca gcttggcttg aaattccggc gataaacttc ttggccttcg acaaacgata 480
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<210> 8
<211> 267
<212> DNA

<213> *Drosophila melanogaster*

<400> 8

| | |
|---|-----|
| gtctgtacga caagtctgga ttggacaaga acacgcagga cttcaccggc cacgccttgg | 60 |
| cccttttccg cgacgatgag tatctgaacg agccggccgt gaacaccatc cggcggatta | 120 |
| agctctactc cgattcgtg gcgcgttacg gcaagtcgcc ctacctttat cccatgtacg | 180 |
| gcctgggtga gctgccccag ggattcgac gtctgtcggg catctacggc ggcacctaca | 240 |
| tgcttgacaa gcccatcgac gagattg | 267 |

<210> 9

<211> 583

<212> DNA

<213> *Drosophila melanogaster*

<400> 9

| | |
|--|-----|
| cgatactctt tggcgtacc acgagatagc agggctgccg aaacatcgat tgctgcatta | 60 |
| tgcattgtgc ttgcgaacat catcgatttg tttcaggcca aaaacgttat tatgttataa | 120 |
| tatatattata ataattaatt aagtataaat taaagactta aattaatttt taaattgtaa | 180 |
| acgtattttt cacaaatgta aatgtacgat agtacaaatt agtttaaatt atagagcatg | 240 |
| gagtgaccat cactgatcgc gttaccaaca atttttttta aataaatttg agcttgacat | 300 |
| attcgcgctc ttgatcctta tacagttaaa gcaaacaatt gatcaattaa aaaatcatca | 360 |
| tctcaattct ttcgtagtat tattcataca gacaattatt gtattaccaa tttttccctt | 420 |
| tttagttttac acctacgcca ctcagtgtta taataaaagg tttgcaattc agcacatatt | 480 |
| ttattggtaa tatatatattt cagcagtata aacagtgccg gccatgccg ccattcatga | 540 |
| agaatttaac caaaactact taaaaatggg aaatttgatg gca | 583 |

<210> 10

<211> 480

<212> DNA

<213> *Drosophila melanogaster*

<400> 10

| | |
|--|-----|
| gtttattgtg ttttcaaacg tgaagtagtg aacgtgaact ttagtgaaac ccaaactcga | 60 |
| gatggctcgt accaagcaaa ctgctcgcaa atcgactggg ggaaaggcgc cacgcaaaca | 120 |
| actggctact aaggccgctc gcaagagtgc tccagccacc ggagggtgtga agaagccaca | 180 |
| ccgctatcgc cctggaaccg tggccttgcg tgaaattcgt cgctaccaaa agagcaccga | 240 |
| gcttctaatac cgcaagctgc ctttccagcg tctggtgcgt gaaatcgctc aggacttta | 300 |
| gacggacttg cgattccaga gctcggcggg tatggctctg caggaagcta gcgaagccta | 360 |
| cctgggttggg ctcttcgaag ataccaactt gtgtgccatt catgccaagc gtgtcaccat | 420 |

aatgcccaaa gacatccagt tagcgcgacg cattcttagg ccatcgtgct taagctgaca 480

<210> 11
 <211> 542
 <212> DNA
 <213> Drosophila melanogaster

<400> 11
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 accggacgga ttcgtgttcg gctgacgaac cggatcgcag atacttcggc cgttggtttt 120
 ttcgacttcc atggcatctg gtcgttaggc cagccgttca ttcggcaacg aacccccgac 180
 atagaagcac gtcagcatgt ggcacaaccg gagaaagtag gaaaaacaaa cggagtagag 240
 gaaaagccca acaaaaaaaaa aaaacgaacg acggccaggg aaaaatgcca aaaaacctgg 300
 tggaaaaagt tcctaaccat tctattgaga cgcaaggagt gcttaggatc aagtgttttg 360
 tgtaagcaac gaggcctgta ccagtgtcac catgtgcata tataccatcg aaacatagac 420
 aaactggcct ggactgttgc gccagagatt tgggtggtgtg aatgggtcat tcggggaaat 480
 gggtcctttg ctgaaaaaaaa ggccttttca ggcttcgaca tttttacgta atggacgatt 540
 ac 542

<210> 12
 <211> 409
 <212> DNA
 <213> Drosophila melanogaster

<400> 12
 gattgttggt ctcgtttcgg atttatagct agatttttaa caataagggc tggatatatt 60
 aaattgaaca aatgtgatgg agacatgtta attaaactag atcacaataa caagaaaatt 120
 gcttttaaatt aagatagaat aaacacataa atcaacattt ttgcaaggac aatacttttc 180
 agataacatt tagctgattg ttccgaaact cagttccacc tctgattttg tgctggtgag 240
 aatgttgctg ctgttcagca gcccgttttt actgcaaaat tgcaacaaaa tcgaatgaaa 300
 aggccctaaa ttggacttca agcagctaac gcatccaccc aagggtgccac agacaccag 360
 tggactccga agtttccgac accagegcct tcgaaatcca gatcgacac 409

<210> 13
 <211> 507
 <212> DNA
 <213> Drosophila melanogaster

<220>
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 <222> (1)..(507)
 <223> n = ambiguous/unknown nucleotide

<400> 13
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atcaaatttg ataagataag aaaagctaaa taaaacaatt atccannnga ccaacttaag 120
gtatgcccg c tggggtgtga cttggacagc ctgatcactg gtttcgtagt cctttagggg 180
cttatcctga aggctctagg accggctggg tctcgatat atccgtttca ctgcagttgt 240
agttaagtag ttgccggcga gagagacaac gatatcccac ctggtattcc tgatatgcaa 300
ccaaatagga aatgattga cttcgcaagg atgacagcag cagtaggaac aggaaccgtt 360
tatgttttct tgccatctcc ctcgtactca ccttgggtccg tgcaccaagc cgcattccag 420
atgagcggat aaacatcttt cgcagctgct gcgtgcctgc actgatcatc tgcgtaaaag 480
aatggcgat aacaaatccg ttatgtc 507

<210> 14
<211> 432
<212> DNA
<213> *Drosophila melanogaster*

<400> 14
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cggcgtcatc atcgtcagcg gggacaactt catccggaca caaggaccgc aggtaaatgt 120
gtacacacat atgtgagacg accctaaacg atacctcttt tgacatgaag catcgagtag 180
ttttgactgg cagtttgga aaaagggttca actgtcatag ggccctttca tttggatttg 240
ccccctcagc cgattcagct ggtgctcttg ccaagaaagt taaaaccaa aatcattcaa 300
gccgatttca tttcattgga agaaaccaac caaccaacca accaaccaac gaacatcact 360
atgtaagaac ccaccgaagc aatcattttc attctacgtc cactaccaaa gaatttggcc 420
gaaagaggtc ga 432

<210> 15
<211> 439
<212> DNA
<213> *Drosophila melanogaster*

<220>
<221> misc_feature
<222> (1)..(439)
<223> n = ambiguous/unknown nucleotide

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ggtcacttc accgtcgacg agatccgtgg cctcatggnn nacatccgca acatgtctgt 120
gattgccccg tagaccagc caagtccact ctgaccgatt cccttggtgc gaaggctggg 180

| | |
|--|-----|
| tattggcagg agccaaggct ggtgagactc gtttactga caccgcaag gacgagcagg | 240 |
| agcgctgcat taccatcaag tcgacgtaag accagtcattg ttccagcacc cacggctttt | 300 |
| ttaataagct ttcttttttg cgtggctttc ctgttatttg aggtggagga aaaggatctt | 360 |
| ggtgttgatt taccacccgg ttagcgcgag aaggagtgc aagggtttcc tgatcacttt | 420 |
| gatcgattgc ccggttcac | 439 |

<210> 16
 <211> 532
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 16 | |
| atcgagcgag tgcgatacga aaacaaaagc cgagcgccgc tccaataaaa gttcagttgg | 60 |
| cgctacgtaa acaaactttg cggttagtct gcatctgggg tgtccagaac gaccggttct | 120 |
| ttcgttaggc actaagatga acttggaat caaacggcta gttatcagca acgattaagc | 180 |
| actagcgctt aaggtacttc tgggggttaa ataaactcca tttatcagtg tacatcgatt | 240 |
| aacaaacagt gcacaaaatg acgccaatg ttaaggacga tggtgactgg agagtatccg | 300 |
| gaatatccag aaattaccg agctatcgcc agcatcgacc gattaccagt gaaagggttg | 360 |
| catcgaatat acccataaat ttcaaattaa ttaaataaaa ctacatat ttacattttctc | 420 |
| ttgctcagct ggctggagg gaaaaatgta gatgacgaag ccgaaggctt ttggcgaatt | 480 |
| aacgatcgct ctacgactta agcgactttg ccggtcgctc cgggtgggtc at | 532 |

<210> 17
 <211> 536
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 17 | |
| atcgggtgcaa taaaaacagc gagtcgagaa aaagaagcgc aaagcgaacg gaaccaataa | 60 |
| gaacagccaa acgcaaagag agcctcctgc acacacacgc acacagcagg ctgaagcaga | 120 |
| cccacacaca cgcatacact agtgcggtgt gtatacgact ggaaaactag gcgggtggtaa | 180 |
| atgtgaagct gaaaaaagct gaaaaaaagg aaaaggaaaa ctcggtgggtg ggtgggtggc | 240 |
| ggcccagtgg gcgggggggtg tggcagtggt cagcgcggtga gagtgccgta gtgcgtgccg | 300 |
| tgtgagtgag tgagtgtgtg cgcgcgtgtg agtgaaacag cgacaaaacta aatgaaaatt | 360 |
| tatacatccg aaatgggttaa cagtttgcatt aaaaacggca ttactttttg catatgttaa | 420 |
| tgtgcttagg caaacgctcg aaaaagaaaa cttcacaacc caccggcttt tttttacca | 480 |
| acccggcgct tttttagcgc ctacgcccac gcttaataca taccctgca taaaaa | 536 |

<210> 18
 <211> 476
 <212> DNA
 <213> Drosophila melanogaster

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 ccagagattc attcgtttcg cgactttcga actgtgaagt tgtctctccg gcgcgttata 120
 tccgtcttgg ccaaaaactcg tgactgatcg agagaagaag tctgaaacca gctctgagcg 180
 agaagacaag tgtggagact gcagttcagc atccgcgttt gctgtgctca agaaagaaac 240
 ggcaatagtt gtcttcggtt tcttggaaga cgtcttcgcc gcgctctcac cctatttgga 300
 gaagatttgg agatcttgga gcgcagctct tgagaaacac tacatatatt aaatcgcgcg 360
 cttgcagggt ggtggtgcta aaagtcaatt ttaaagatgt ggcggccgag tatctcgaat 420
 tggcgtgtgg agcacctgct ctggccattt tttgtgcaca aacgctagca cagcga 476

<210> 19
 <211> 457
 <212> DNA
 <213> Drosophila melanogaster

<400> 19
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 aaatttttaa agtatcatta ttttcatata tgtagcctgc cttgcaacta cattgataga 120
 atcaaataac ccccgaaggt gtattactac cgatgaggaa cgaacgcctt ttcaaattgt 180
 gggatcccct ttagatataat ggaaaacagt gccactttta cttggttttc gaaagtttat 240
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 acgacgctca gacttgaaga cttggtgtag taatcgtaga gaaagggtga gtccgagtgg 420
 cccgtagttg gagtacctct tgtacttgga gtaggct 457

<210> 20
 <211> 577
 <212> DNA
 <213> Drosophila melanogaster

<400> 20
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 ctgttttgacc catcgatttc ttatcgatag gccttgacag tgtgtgcaca ccggtatttc 120
 tttagtcaac agctgtagaa acaccaattg ttgccgattt ctttcttttc gactgtcggc 180
 ttctcgcgaa actgtgattg tgaaaattgt acaaataagag gcaaatttaa ccatggcgca 240

| | |
|--|-----|
| catgtcccac atgctccagc agccttcggg gtcgacgcc tccaacgtgg gctccagctc | 300 |
| atcgcgcacg atgtccctga tggagaaaca aaagtacatc gaggactacg actttcccta | 360 |
| ctgcgacgag agcaacaaat acgaaaaggt ggcgaaaatt ggccaaggca ccttcgggta | 420 |
| agtctccaaa ttggtgaaaa ctaactttaa actaaaacat acgaccctt tgattacaga | 480 |
| agagggtttt aaggctcgcg agaaaaaggg cacaagaagt ttgtggcgtg aagaagggtgc | 540 |
| tgatggacaa cgaaaggagg ccgtgcgtga aagcaca | 577 |

<210> 21
 <211> 577
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 21 | |
| agctgagcta aaagggtgga taataaccta ataattgcc ggactgaaaa ttcttaaaag | 60 |
| ttggagaaag aggcagctct gcacaaataa cgtaactcgg acgatatacg ttttcagtca | 120 |
| gccctgtctt gtgcgaataa tgctgtgtca tagtgaggca gaacggcgat aggcagtaaa | 180 |
| tcgcggttg gtacttagtg caatagttat cagcacacat attcagaaaa aagcgccatg | 240 |
| ggttatatta tatagagagt cagtggaaaa aagtacttaa cacacgcagt gcgtcgttta | 300 |
| gcgagggtta cgtaggagca gagcaccgt attacggacc agatcccca atccccgca | 360 |
| gaaactgaga atagaaaaac gaaaattgcg tctgttgtgc cgaagtgaca cgtgtgtgaa | 420 |
| tctcataagc ggagcgattt ggccagggt acaaccctca tagtaatgca atattccagc | 480 |
| atattcttcg accccgatcc gacaattccg atcctaagtt ggcgccgata ctgcgcgact | 540 |
| ttatgggcaa tccgggcccgc tcagaatgcc tgaatcg | 577 |

<210> 22
 <211> 534
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 22 | |
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| ttctgtgaac cgcgttaact ctgagccagc catgagcaca atattggaga aaatctcggc | 120 |
| catcgagtcg gaggtgagtg gaacttggag tacctgccga tcttacagaa actaacctgt | 180 |
| ctcgcatcca ttaccgccgc ggattcccc ctggattcta tctaaatcac cgggttggtg | 240 |
| gaccaccttc ttaactgaat cctagatggc ccgaacccaa aagaacaagg ccacctcggc | 300 |
| ccatttgggt ctactgaagg cgaagctggc taagctgcga cgcgaactga tttccccaa | 360 |
| aggaggcggc ggcggaaccg gcgaagggtg gctcttgggt atacaattaa ggcaatcact | 420 |
| aaacattatg tatttccagc tggcttcgag gtggccaaga ctggagatgc ccgggtggga | 480 |

ttcgtaggat ttccttctgt gggtaaatcc acactgctct tcaacttggc ttgg 534

<210> 23
 <211> 523
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 23
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 taaatggcgc ctggcctcag ttatcgaagt gggaaatgtg ttaatcagcg gggagtgtga 120
 aattgagcgg acccaccgaa aaagtaaaca attaaatcag atgaaatgcg gccccaaaac 180
 ggaagcccc cacctagtag tgactttcac gcagatctct cgattatcat gaaatttcct 240
 atatgtgatg tacatacata tgtacatcaa ttatttaacc acatatagta tattgacgta 300
 catatgtata aggtcgctcg cttggcgata attttgataa gcccaatgat actttcagtt 360
 taaatgtgtt ggtaagcgag ttcttaaata attgtagatt attaagttgc tgtgtgttga 420
 cagtctgagt gcccgatttt gatattggtg ccccgagcgc atgacactat tttggttata 480
 tattattttc ttccattttt ttcattttt tttttttttt ttt 523

<210> 24
 <211> 305
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 24
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 gggcgcgggc tcattagatt agatcgacat tagtgcggtc cgctcggcga tcggcagcaa 120
 tcgatccgaa ataaacaaac gctcgcgtat ttacataatt taagtgaataa gtaacgacga 180
 cagaatgacg aacaccgatg tgcgaaagag aaaagtaagg aaaagggtcaa aagggcaatc 240
 cacagcaciaa atttaatgcc aatttcattg cgctctctca cacacacacg cacacatgcg 300
 aattc 305

<210> 25
 <211> 473
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 25
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 atcgacgcga tgacacgtag aatagaacaa aaacaacaat aattgtacgt taacaacgga 120
 aagttttgcc aaattcagtg aatgaaacta aactaactga aatgtgcgag gctagttgct 180
 ttattagcaa taacgttgga tcttatttaa atggaagaag tccctctaaa gttataaact 240

| | |
|--|-----|
| tgccacttga cctcgtttt tgtggtcgtt gttgttgtgt tgctgttgct gtggctgctt | 300 |
| ttgccttggg accatttggt gtgaattatg agcttgcaat tatagcgttt tgccggtttt | 360 |
| atttgtaatt taattagcgt acttacacag aaatgctcga gggaaatagtt tgctagaggt | 420 |
| caaaaaaacc gaaagatatc cagcgaaaag agataattat ttgccctcgg ctg | 473 |

<210> 26
 <211> 319
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 26 | |
| cgctcttggg tttaaagccc ctctggcacc ttcccttcag tcagctgccg ttgttgttgt | 60 |
| tgcttaagtgt tttgtttggg tgccgtgctg gctctctcag ctccaacaac agcaatgcgg | 120 |
| ccggcttacg agccccggct ctcttcgctt cttttggagc tcgctctttg ccgaacggag | 180 |
| aacctaccgc aattcgtttc gtgttcacgg ctgcatttcc ttgtttatgt tttgcgaagc | 240 |
| caaagtgttag ggtacatcgg tttaagtgcc gagccaggaa gaaaggagag agcgagcgaa | 300 |
| ccgagtaccg tttatgttg | 319 |

<210> 27
 <211> 493
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 27 | |
| atttgaacaa ttactgcta gagatgagca gatgagaaaa tatcgaaaga cccaatcag | 60 |
| tcagtgatgt gagatcaact tatatatatt gaagttaaata agtaaaacta aaagaaatta | 120 |
| aaaactatatt ttgaagggca ctgaaacata ttcaaatcat attgaggatt tcttaaatat | 180 |
| ttcttatgtt taaatactac tttagtgact attagcatat tttagctgca tacgtatcga | 240 |
| ctgcatccat tcgattgata cttgaattaa tcgatttttg cctctgtatg atgtcatggc | 300 |
| gctaaattgg aaataaacta tgaaattaac gtcataagtt taaaaatccg actggaacac | 360 |
| agcacacaac atgtctacat ttcaaatacc ttcccgaatc aaaatcgata taacaaataa | 420 |
| acggggcacag aacattcttc acaaatatct acattttaccg taagttgctt aaataagcta | 480 |
| aagattttat gat | 493 |

<210> 28
 <211> 571
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|----|
| <400> 28 | |
| cttcggccca ccgactccag gaatatcttc ctgcgacgca attttgatct cacggtatca | 60 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|-----|
| acttttcaact | tgagaccacc | tgaaaccccc | attttttgat | tttcgggtac | gaccctacg | 120 |
| cctgcgatgc | cctttgtttt | gttgtgttgt | ttgcaattac | agattgtttc | cctgacaatg | 180 |
| gccaaactttt | cactggccat | tccgtttcaa | aggaagtcgc | agcttgcaact | cacctgtgtc | 240 |
| tccgataatg | atgtatttga | acaagtacgc | gtaggacatg | ttttaagctg | acggggggtta | 300 |
| cggtaagcta | gttttttagaa | agtacgatct | cgtaatgccca | cagataatac | gcaattcttg | 360 |
| tacgtttttcc | aatctgttcg | tatttatgat | gactggctag | cgacagtgtg | gcactttgtg | 420 |
| gccagggctg | gcggaaatac | cgaaataccc | gcaaggctgc | aatcgccctat | cgatacgatg | 480 |
| cgcactggcg | tggccaatcg | atagtatatg | tatgtatgta | gaattgcaga | aatttctcgc | 540 |
| acaagcaaag | tgtttgggag | gataaacgcc | a | | | 571 |

<210> 29
 <211> 550
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|------------|-----|
| <400> 29 | | | | | | |
| gttccactgg | ctcctcctcc | tactccaggt | tccgcttcgc | gctccttctt | tctctcctct | 60 |
| ccttcttctt | actcgcgtgg | gagtgagttg | gggtgcataaa | tcccgttagg | tttaatttcc | 120 |
| ttgggtggtac | gtttttttttc | tggtcttgac | agcctcttta | aattaccatt | ttcgtggtct | 180 |
| ttttttgggt | ttatgtaa | gtactgtcct | aaattactta | aaattagcca | ggaataattt | 240 |
| ataaaaaacat | tgataatttt | tagatcgcaa | cgccaaagtg | tgagaaaaaac | aaacaaactt | 300 |
| cgtccctgt | caccgcctga | ctgactgact | tatgttttgt | tggttgcaaa | agggcaggg | 360 |
| tgccaaaggg | cgtgcagttt | gggccaaatt | agaaatgtgt | ggttctaacc | atggattaaa | 420 |
| tttgaacaaa | gtaaaatatc | ttgcaaaaag | atgtgtataa | tgccacagta | actgaatttt | 480 |
| ttcttgcaaa | acaccccaga | aagcaccaat | tatttggcgc | gcaatgccct | gcagttagat | 540 |
| ttcagcactg | | | | | | 550 |

<210> 30
 <211> 528
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-----|
| <400> 30 | | | | | | |
| agctggatta | acatgcaatc | atcccgaacta | cgccatcctg | gctgctcgca | ttgcagtgtc | 60 |
| caatttgcac | aaggaaacca | agaaggcttt | ttctggtaag | ttcatagctt | gtattctgag | 120 |
| ttcttcgggt | aatccaatca | tgattcttat | tagacgtctt | cgaggatctg | tataatcatg | 180 |
| tgaacaagga | gacgaatcaa | aaagtgcctt | tggtatccga | gtttcactac | aatgtgggtta | 240 |

agaagaacgc cacacggctg aactcatcca taatctatgg atcgtgactt tggctataac 300
tattttggct tcaagaccct ggagcggtcc tatctgctca aaagaaacgg gaaagatcgc 360
agagcgaccg cagcatatgc tgatgccgcg tgggcgatcg gaatccatgg agaggatatc 420
gatgccgggc cgtggaaact tataatcttc tatcggagcg ctacttcacg catgcatcgc 480
cacactgggt gccgctgcac aaccggccgc agttgtcgtc gggttcct 528

<210> 31
<211> 271
<212> DNA
<213> *Drosophila melanogaster*

<400> 31
atatggacgc tttgtttaag cccgatgtct tctacaataa aacaaaaaaaa aagccaaaac 60
tggttctctt gttcttattc ccagcatgtg catgttccac agccagaaac tgtgtgtgtg 120
tgtgtgtgtg agccattagg aggaaggaaa aacaatctaa tcaagcaatt taaacagtca 180
acagcaataa aaactgctta aatttgcatt gcttagattc tcgtggtacg aagtaacttt 240
aaagtagtga aagaccaacc gtttaattatt t 271

<210> 32
<211> 450
<212> DNA
<213> *Drosophila melanogaster*

<400> 32
aatctggaat gggccttgaa atcacatctc ataggaggga aataaaaaag ctacataaat 60
gtagacaatt aagttagttc ttagccttaa cctccaagaa aatatcacgt tgagctgcta 120
attcagattt atgtaatgag ttattagaac atttgctgta tgtaattacc taatgataac 180
ggcaatagtg tacatttcct tgttcaatta acttcagtga tcaatttctt cttaggatcc 240
atgaaatgcc ggatttcata aagaaaatag ctaccatttc atttaaaaag cattcatgaa 300
gtcttaaata tttccccaca gatatgagaa cggcgactgg gcccaacgca ccgactggca 360
tcgtgtagtg gtgttcaagc ccaatctgcg tgacaccgtg ctggaatact tgaagaaggg 420
acagcgaacc atggtgcagg gaaagatcac 450

<210> 33
<211> 385
<212> DNA
<213> *Drosophila melanogaster*

<400> 33
ccgtgctgcg tatgataaat ccgtcattag cataaccgca ttgaagctaa gtcttcggga 60
aaatgcttaa gcttgtgcaa tacatagccc cccgggtggg cggcgccacg ccccgaccga 120

ctgcctgcgg ctggggcaac ttgctattga tttccccgag aagtggcgcg agctccgaga 180
aatgtataac gcaacgtcgc cattttcttt tctctccgc cagcagcagc ggcactttcg 240
cttcttcttc ttcgctctgc accgaacaac gacaacagtt ccacgggagt cgcaggaatc 300
gtgagacaat actgttccca agcacatata gtagtctcca agctcagtcg cagcgtgcgt 360
ttcgagacag ctcgaaacca gattc 385

<210> 34
<211> 442
<212> DNA
<213> *Drosophila melanogaster*

<400> 34
gctgctggag aatacataac tgagatttgc gacaggctgc gcgaaaaata aagctcagat 60
ttaagtttgg tattttttgcc cctccctctc cctccgcaca ttccaccttt tgaatacctt 120
cgtactcggt gctgttggtg cagttgtggg gaataaacca gctctgcggt tgctggcaag 180
caaattggcc actttctggc agttcggctt aatcacattc tgagcgcatt taattgttaa 240
caacattttc gatccaaaac tcgtttgttc ttagctgctg tttttgttgc tgtttctgtc 300
ggcgcggaac agctgacttt tgtcgtatgt tagctaacaat tgagttaaca tggagctggt 360
aaaaactgcc aacttgtttt tgacaacgtc tgctagcaac ataactgtta taaagtctaa 420
tgccgcgtaa tttgaattta aa 442

<210> 35
<211> 510
<212> DNA
<213> *Drosophila melanogaster*

<400> 35
gcacgcgtca agttgaagat gcagtgtgac cgcaattaaa tcatcaaaaa ataccgcctg 60
gcagtagcca gcatcaatgt ggaccgttga aaaagaaaca aggtttgatt ttgatttttt 120
ttttgctttt tttgggcaag atagaagaaa ttaaataataa ggaaaatgat aaactaactg 180
tgatcttacc cgaatttgaa atatactgaa gcagaaacat tttaaataatc tcaactgttcc 240
gtgacagcga cagttataaa cgtgtccatc cctggaaaag ccagtgtttg ccaaccatca 300
ctcagatctg tcatacccggt gttgaaaagt agcaagaaca agaaaagtga gttcaagctg 360
tttctttaac caaatttttg caattaacaa gcattttact gtttttaacg gcagcatggt 420
gagcatcacg gcccgtaacc tggcaagcgc cctccgcagc agcctcgtcg gcacatcgtc 480
gcgcgtggcc gccgtgcgct gtctgcacgg 510

<210> 36
<211> 401

<212> DNA

<213> *Drosophila melanogaster*

<400> 36

```
atcagtactg tccaaaatcg aaaatcgccg aaccgtagtg tgaccgtgcg gggctctgcg      60
aaaataaaact tttttaggta tatggccaca cacgggggaa agcacagtgg attatatgta      120
ttaatatatt atgcagggtt tcattactta tccagatgta agcccactta aagcgattta      180
acaattatgt gccgaaagag tataaacaata tttcacataa aaatggatta agaaaagctt      240
gtgtaagatt atgcgagcgc ttgccagata gctccattta aaacacttca aaaacaataa      300
gttttagaaaa tatatacata aatagcagtc gttgccgcaa cgctcaacac atcacacttt      360
taaaacaccc ttacctaca cagaaatact tttttaattt c                               401
```

<210> 37

<211> 445

<212> DNA

<213> *Drosophila melanogaster*

<400> 37

```
gtctgtctac ggctttcctt tccacaggaa aatatatgtt cagttttagg gaaggggtgc      60
tacagtgagc gtctttcggt cccagtgtcg ttatttctat agtattgctg agatatatat      120
cagagcagta aagatattta aatataagtt cttcgaaatg ggtggtcacg acaactggaa      180
caatgggtcaa aatgaggagc aagatgtaag tagcacacaa aaccgcgact gcacagggaa      240
aaaactcagt tcggccataa tccaatata tatatatgtt ggtgatcaac gcgcttttac      300
ccatgcggca actaaagttt gatgttgcta aagcatttcc gttgcggttt tgttacttaa      360
gactaagact aacagtagtt gtttcttaat aattgctagg gaattacaaa gcctgtcggg      420
attgggttct cttttaactt ttttag                                           445
```

<210> 38

<211> 380

<212> DNA

<213> *Drosophila melanogaster*

<400> 38

```
gttactggtg acagcgatat tattgtaact ttaccaccat tcctttccaa aggtactttt      60
tctgggttcac agtttacatg catattggat cacttttgtc attggcaacg catgtaaadc      120
tgcttataat tgatgaacaa attcggaggc aatatgttgt attacacttt tcacgctttt      180
tcctatttct caaaccaatg agctgcgagt taatagcact gaacataagt ttcacatca      240
acatctatgc ctgcattcta tcaactcataa tggtgggata tcagatacca gcattgtatc      300
tgaataccac attctatacg ccaaaggatt atagatacaa tcaagggcta ctgggcaact      360
tcatggcctt catgggaaaa                                           380
```

<210> 39
 <211> 449
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 39
 gaatagccaa ccaaagcaaa aaagtgaaaa agacaaacaa aactgtccgt ccagcattcg 60
 tttttctaca cacatttcga aagaatgtaa atgtaaagtg aagaaaaaca gagagtaaga 120
 gagagacctc aaaactggcc attggcaggc caaacacata cacaggcaca ccaagcatac 180
 aggacacaca ggccacacac gacacacacg cacgaacatc cagtgttttg ccgcagtcac 240
 aaaataatca agaagcagct aaatcaggca aaagcaagac gactgcaacg tgctgatgtt 300
 gacgaaacat ctccattggg acgaataaag caattagcaa aggttcacga ttgttgccac 360
 ccacactgcc aggaggcgga agaagctgga agggattaag aatgcgggat acgttgggac 420
 tcccactcgg actccgtgga gtttttagc 449

<210> 40
 <211> 572
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 40
 gatgagatag aataatttca aagtttttag ttcattattca tattcttcat attcatatta 60
 gagtaataca agaatttatt attcatattc aatttagatc cgattttggc ttgtgtggga 120
 ttttagatac agtttaggtg ttgttttggg atgaacgttt atggagcagt tttgatttaa 180
 gttggacata tatagtaaga tacataaaca gacacagtgt ataaattagc ttttcataat 240
 ttgtaatat tttattatag gcagtatttc gatagaggca actaatttaa gcggattgtt 300
 gattaaaatt cttgttcgca acgaatataa tttatatgat acagctaaca aatacaggat 360
 taagccaaaa atcggttag gaaataacct tactatttaa aaagcttaca tacgatagta 420
 tcccatacac ccatcacgcg cacatcacta acaccaact gccattgtga actgacaatt 480
 gtaacttttc cgcacgaaag ttagcatttg caaaggaaaa taagatgaaa acaagattta 540
 aaatccttaa aatttattgg gggagttcca at 572

<210> 41
 <211> 246
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 41
 ctaaagccaa atagaaaatt attcagttcc tggcttaagt ttttaaaagt gatattattt 60
 atttggttgt aaccaaccaa aagaatgtaa ataactaata cataattatg ttagttttta 120

gtagcaaca aattgatttt agctatatta gctacttggg taataaatag aatatattta 180
 tttaaagata attgcgtttt tattgtcagg gaggtagttt gcttaaaaac tcgttttagat 240
 ccccg 246

<210> 42
 <211> 407
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 42
 gtctagacat atcaaatcta accctgacct cagcaatggg caaataaaac cgcccatttg 60
 gccaacatct accacatcta atctgctaata gagaatacac gcacatacca cacatatgta 120
 tgtataggcg cgcgcacgca cacacctgca aaagctttta ctaatctaaa gctcagcagc 180
 gagcttttcg tgaaatgctg cagggttcttc gtcgtcggca atttttgcac atcagtttta 240
 aaacccaagt taaccgaaac ggcttggtta tttctagctg cggcggtata aaacaccttt 300
 ttttttggtg taatccagggt taaaacaata aacagtgggt ctcaaatgaa aattccatcg 360
 aactttgcgg ctgttcactt ttgctgaaca gtttgcaatt cttgttt 407

<210> 43
 <211> 537
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 43
 gtttgcagat ttacctgtta gaagagcggc tctcgagaac attttccagg cagttgcgac 60
 gaatttatgc tactaaattc acccgaaatt gtcagttcac aatagtgaca ggttaagaga 120
 gcgttgccag atcaaccgct tgctcagaccg gttttacaac actggcaaag tgagccctat 180
 atttgaactt ttcaaaataa aaatttgttt attgaaattg tatgtttata acttttattt 240
 gtattttcaa cttcttttaa acttattttt atgatattaa ttttatattt aatcgagtgt 300
 ttggcagtat taaaccattt acgcaaactg ttacatatt taaaattcga agttggaata 360
 taaaaagctt tagtagaata aattaaaaat taaacagcca aattgtatag ccattttaca 420
 atgcttaaga ttaaaacgga aaaagatact cgtcataact ttacaagttt ttattttaaa 480
 aaatattaca atttgctaga taaattgtgc cttaaagttat cagatttagc tgccaac 537

<210> 44
 <211> 292
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 44
 atccccgggt tttgtcaaca tctgcggtgc gtctgccggc ggagcacgtt tcttactcat 60

cgcggggtcac gctctccacg aagaatgttc cggaaccaac ccgggggagg gcgatcttat 120
 ttttaattgga ttaacaaaaa aactcattga atccaaggag ctacaagatc ctgtggacaa 180
 gcctatgcga agtgagggtta tgactacaac tcggctttta tatgctttca gttatggccg 240
 ctctgtccat atcgaacatc gtgaaaagct ccttgggacc cgtgggtctg ga 292

<210> 45
 <211> 349
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 45
 cagtaaaccg cgactgttc tcgttgcttc gagagagcgc gcctcgaatg ttcgcgaaaa 60
 gagcgccgga gtataaatag aggagcttcg tcgacggaga gtcaattcta ttcaaacaag 120
 caaagtgaac acatcgctaa gcgaaagcta agcaaaaaa caagcgcagc tgaacaagct 180
 aaacaatctg caataaagtg caagttaaag tgaatcaatt aaaagtaacc aacaaccaag 240
 taattaaact aaaaactgca actactgaaa tcaaccaaga agtaattatt gaagacaaga 300
 agagaactct gaatactttc aacaagtcgt taccgaggaa agaaagaac 349

<210> 46
 <211> 241
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 46
 cgtagcagc tggccgtact cgtgccgttt aaaagccgaa atttcatcag tttgatttca 60
 attgcaaaca aacaacctgc gaacatgtca ataaagctca aagcgaacct taacaatccg 120
 cccataagtg agtatcaaac ggatgccggc tgctgtgacc tccagtgcc ggaggatctg 180
 cacttagtga gggtatatcc gcacgggggt ctatttatgt acacaatata tccggcaatc 240
 c 241

<210> 47
 <211> 499
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 47
 cgctggccac accgcccga aatctgcctt ttccttttcc tggtgtattg cccgacggac 60
 ggtatgtgta ttttttgcag ctagccacgt gctaagtttt gtcaatggaa ggcccggcat 120
 tggggatttg ctggccacgg atgcggcact ggcagtggcg agcgaatgct ggcacaaaac 180
 taacgtttga ttgttctatt tgcagtgatc gcccgttcaa tatagtgaat caaacatggt 240
 gagtatctgt tggtggtgaa gatatggtca cgattgtttg tctttgcctt tggaatacct 300

gactaacggc taaaaccac tcacactttg caggctcgtg gcccacagaa gcatttgaag 360
 cgtttagccg cccccaaggc atggatgttg ggacaagctg ggaagcgtct tccgccccgc 420
 gtccccctga ccggtccaca caagctccgt gagttcctgc ccctgctgat cttccttgag 480
 aaaccgcttg aagtacccc 499

<210> 48
 <211> 462
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 48
 ggctgtacgt agctgtgagg atactagagc tggcaccaag ccgatggcac tatcgatagc 60
 gatggctgca ttctggccgg caccatcgat ggacttgcaa tagcgattgc tatatgaaaa 120
 ctaatctaaa gaggtggatg cacttcagtc gactttctat aatttgctta aactaataaa 180
 tgatttgatc aatacagctt tctgtaaaaa ctggcagacg ctttctgctt ttaataattg 240
 ttaatttaag ttcaacgggc tggcatcacc gtttcttagc acggactcaa gcctgagtct 300
 attatttcaa ccaccactgt aacgaaaaca gcatggacag attgaaattc aataatttgg 360
 taaataaacg attttattta aaattataga gttctaatta aaaagaactt ttacaggtga 420
 tatccaacaa gaaggtcatt caaaaggcac gcgccagac ca 462

<210> 49
 <211> 164
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 49
 atcgaaacga gtcgcgccga tggctgacca ttcgttttag gtacttcccc gatgttcggc 60
 ggatgggaaa ttatctgagg cggccacgtc gagatgactc acgggttttt caggcgcacc 120
 actcagtgtg atttttttga tcggctatac tataagcatg tacg 164

<210> 50
 <211> 207
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 50
 ccaggagcct ttgtagatca ccacactaaa atgagcatac atatgtatat gtatccgata 60
 taaagtattg caactataat aaacttttaa agctcacttg ctgtatccct gacttttggc 120
 aattttctct gcttccaaga ctcgatttcc cgaccggcag gtgaatatga ttggcgactg 180
 cttctccggt ttcgatattc cgtactt 207

<210> 51
 <211> 438
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 51
 ggggtgggtgt gcgcaaaaat tagtcggcaa gcaattcaaa agtaagagca accggagcga 60
 acaaaaaagg gaataactta ctaaaatctc tgaaagaaaa ataaaaagac taacgggctc 120
 ggcaagctgt gtttatttcg acaagtaatt atatacttgg agtgcaagca aaggcgaagg 180
 aagtggaagg acaagcaacg aaatcgtgct cttatccgtt cctgtactgt gtctctcttt 240
 cgctgggaga gtgtgtgtat tgggtgtgagt gtagaaatct gcaagaacag caacgccaat 300
 aaaagtggaa tcgagaaaaa aaacgcagtg gcgcgtgaat cacgagcaat ctgaatcatc 360
 tctctacaaa aatacctgtt tctgttggcg catcatttat acccaattaa atcctaaagg 420
 atgggaacac cacgaagg 438

<210> 52
 <211> 554
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 52
 gtcagaacat tccagtcagt tcgtgtgtgt gcgagcgagt caactagtgt gcacttcgca 60
 ggggaaattg tcagttgaag gactgaaaag ttcaggaaat ttcgagaaat atattttttt 120
 tattgacata ggtcatcatt ccaagtggtc attaaactaa attcgtatgc aagctatttt 180
 tggctgattt gcggattgat acgttaagcc attcatattt ttagattctg tttttggttt 240
 atatctcttt tattatatgt gcaatacata tgtgtgtatt tttcttctga ttggaatatt 300
 tcctctgcag aatatgacat acaattacca taaaagtttg aacacacttt tcaaaactta 360
 attattccaa ttaattattt ccaaaaattt aaagaatccg tactgctcta tatccaggat 420
 acataaatat atagatacct atataggaag tttcatagat aagatgtttt atagaatact 480
 tccgtagatc gggtagaatc tttaatgttt ttataaata gggaatttta agaagccaga 540
 accaatgccc aaaa 554

<210> 53
 <211> 450
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 53
 gctcgggtgt agcatggcgt tagtggtgct aaacacagag ttgcatgtgg tctagtgttg 60
 tgcagaaata ttagtgacag taaatcatat acatcttatg tgggtattttt cgctatcaac 120
 tgttacagtc aactaagcc aattcgatag atttcgatag taaaaataaa catttttgaa 180

| | | | |
|-----------------------|------------------------|------------------------|-----|
| taacataatt actttttag | aagttacttt ttacgggggtt | aatttcaagc agacattttc | 240 |
| ccaacatggt ttacatacac | ttccccaaca atttaaccga | agaggagcaa atgctgcagg | 300 |
| ccaagtatca gaaactcaag | aaaaagggtg gaaaactcat | gccacaaatg ttgattattt | 360 |
| atattaacaa gtttttaacc | cgtagaaaaa ggcactgcaa | gcgcacaaagg cgcccaagcc | 420 |
| ggaaccggag agctccttga | ccttgaacgt | | 450 |

<210> 54
 <211> 470
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | |
|------------------------|------------------------|-----------------------|-----|
| <400> 54 | | | |
| ctctatacca ctgctgcccg | agtttgcctt caattaaaaa | taaattacaa aattcatcgt | 60 |
| taccgttcgc taaacgcaac | gcattgccca ggcgctccgag | ttccaaatcc aacacaacac | 120 |
| gagtggtagt atcgctgtga | aaaatgtcaa caccgcacg | cagacgtctt atgagagatt | 180 |
| ttaaaagggtg agaagaaact | aaggaatcga atgcgaatag | aaaagaatac taactaaacg | 240 |
| aaagctaagg aaaacaggaa | ggcaaggagc gaatggcaaa | gttacacaca accgttggat | 300 |
| tttacgtttt acgtgtttct | cgttccgaaa aaatgctggg | gaaaagaaac ctgggggctg | 360 |
| cccaatacat ataagccaac | acacggacac ccgttttata | tgactgtgct ccacgtctgt | 420 |
| atgtagtgga aaagtttgcg | ccagccaaaa tatttcgttg | tgcattgttg | 470 |

<210> 55
 <211> 465
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | |
|-----------------------|------------------------|------------------------|-----|
| <400> 55 | | | |
| agctgtagac acatcagcaa | tgccggacctg ccggatcgct | tctgtgtgcg accagagatg | 60 |
| ccgaggcgga aacagttaag | acatttaatt ttttaattcta | attactttta attaataact | 120 |
| tatgcataat tatcaatgaa | tgggacattt tattattagt | tattaataaac tgaaacgcta | 180 |
| aatgatatgt actgaaatct | taatccatga agtgcatttc | actggatgat taacaatttc | 240 |
| gtttcactat ttgccattat | ggcacatgta attcattaat | taattgtttt ttaattcatt | 300 |
| gttaagctat aattttcttg | ttcatccata tccacatact | tctttgagcc gctggatttt | 360 |
| tggcctccgc cgttatctgg | ccacactttg cagattccct | ggcgacgcct ttgatccaaa | 420 |
| ctctgcgccc ggaatattgg | attattttga cttgactatt | ggaaa | 465 |

<210> 56
 <211> 564
 <212> DNA

<213> Drosophila melanogaster

<400> 56

```
ggacaaacct agaaaaaaaa aaatgtgaga gagagagagc gaagagctgc agatatagag      60
aaaagcacgt tttccgtgca tgcgccttta atctcattca atcaccgcgt ctttgccatc      120
gaatcagctg tgaaatacac taccatgcaa agcatttatt atcttcaatg gaaaaatatt      180
tttaaattgg aaaaaacacc agtgacattg acctgacact gaaaacaaaa ttatataata      240
ccgcatcatt aaacaacagc atatgactca atggctctaa tcggttaact cagagttcca      300
ctttaaataa cttgaccttt acaaatattc tttttatttt atggaaataa taattagggtc      360
agttcagtaa aataatccaa cacttgattg atagctatct ctgtagcccg ttgttatctt      420
tttcagtagg aacatatgta acttttgagt tacctggatt ttgggttggtc agactgtgcc      480
ggatcgtata ccgaaattta gtccaaattt ttaagtttat tttttacctc ggaaatatcc      540
aaaatttggg gcttacgcat ggggt                                         564
```

<210> 57

<211> 251

<212> DNA

<213> Drosophila melanogaster

<400> 57

```
ccccagggtg aggcattaaa aagctaacgg tttcttgttt tccgcttcgg caaacaaaac      60
aggtgcgtgg tggcatagtg aatatacgca tatgtatgca cacgaatata ggtgtggaca      120
cggcggacag cgggagcacg gagtcttgcg tgattcagtt tacaacctgt ggtagtgtgt      180
ggatttagca attctgtttt atcagtcctc tagaactgat atattggcta ttcggaattg      240
ggaatttttg c                                                         251
```

<210> 58

<211> 450

<212> DNA

<213> Drosophila melanogaster

<400> 58

```
ggcccgccag tatttaatta cgaaccgttt ttgtctcttt catcagcagc attcgcaatg      60
gacacgacac tgatgaactt aatagacgct ccgctggacg agtccatgga tttgttcaaa      120
gcggaggatg tcttcgaacc gttcgacgcc gacctgcact cggacatgct ggacatcatc      180
ctcaacgata tggacctggc gccgacgcag atgtacaaca tgctgctgga cgagcctcga      240
acgcataccc agcagacgca gtccgtggat cagcagccgc aatccgtcga gcaacagccg      300
cacgtgaaaa gcgagcactc ttcgccagtg cacatcaagg aggaactgca tcagcagcaa      360
caacaatcgc cgcttctcgc taaaaaccag atccccctcat agccacaagc tacaattgtc      420
```

ccacaacagc cgacgggcct ttgaaggccg

450

<210> 59
<211> 581
<212> DNA
<213> *Drosophila melanogaster*

<400> 59
accacgccat agtagccatc caacggatgc tctccactct cagatgtctt ggattctttg 60
gttttagcact tgtagtagga atgggaatgt gaaaaatatg acgatatttt aacaagtctt 120
ttctaattaa taataaaact gaagttctta tacattgtta gaacgggaac tttatgtatg 180
attctaattt tacaatttct tggctcttta atttttctct ctctctctaa acctccctct 240
cccaggcgct ctctcaggcg tttctccac gtttattccc cacagctcca aagactatca 300
atccgcacag ttagcgcttc gctcattgcc ccaacaattt tcaaccgcgt cgcttggtg 360
ttcttttgcc gttcgagaaa tccaaatccg aaagatatca acgaaaagat gggatacttt 420
gacgtattgc cacgagaaat tttccgaata acgttatttg tggtcgagac tgctaaatga 480
ttttggggta attaaaatga caaaaaacgc agttctaaat atcggctttt tcgcctttcc 540
cgatcttttt tcgcacatta acgggtttgg ttttggtggt g 581

<210> 60
<211> 436
<212> DNA
<213> *Drosophila melanogaster*

<400> 60
agttaaacia tacaatacac aaactacagc tgtttaatgt gcccggactc tagagttgtc 60
acctgcttgg gctgccatgg ttggcaactc cctttgctta agtgctgtgc taatcaacac 120
tgttaaaatt accgctaaaa cgtaatttcg aatttaaaact taaaattata aagtgcgttc 180
aatcgtttcg ttttatttat gatagcattg tacctgcaat ccacaaagta taatattcgg 240
agctgtaaaa accctacgga ttataagaca aacctcaaat aggataccta taagtgcctat 300
acctgatcct tattgtgtcc agatggtttc catccttgat taccagacga caattagggg 360
attcgttagg tagccaatc gcaaccgat tacctggtct acaactcttt ttttttgggt 420
taaataaggc gggcaa 436

<210> 61
<211> 645
<212> DNA
<213> *Drosophila melanogaster*

<400> 61
aaccagccac agataatgct gtgaggaccc gattctgata ggcgagagca atacgcgaac 60

accctccgaa aggcccatat ccccaaaaaa ccgaatcgag tgcgaaaaaa tgatgtaaaa 120
 cgggggaaat ctaaactga aaggccccac acagcacagc cacaaaatgg aaaggtaggt 180
 caatgtgtgg gcgcccgaag agagttcaag tgtgtcactc agtataccca attccgtctg 240
 gaatcatttg gcaaaaatag cgtttataga cgtgtgaaaa acaatggaca tttgagctcc 300
 aaaattaaaa gtatcctaac ctcaaaagag cttttacaca gtacgtgtcc gtgtgtgcgc 360
 tagtgaatgc catabgtgtg tgcgactgaa agtggttgtg acttttagct gaagaaggga 420
 gcgcgagggg cgatctagag gcaacgtgtt agtggaaaaa ctgcttttga aaaaagggga 480
 aaatatcccc caaaaagccc gcccaaaaaa ggtcagttcg gaatcctgtc gatctcgcct 540
 cgttgagatg tatccaattg gtaaagttat cactaagttc ttaagttgcc agaaaaacac 600
 atgtaatttg gcgagaaagt aacacgtgtt caattcaaca caaaa 645

<210> 62
 <211> 445
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 62
 gtctgcccc a gcacctaacc gtaagtgtgt gcgtgcgaga gtcgtttcat ttgcattctt 60
 gtttagcgca ctccctctct ctcttcgtgc gtttttcatt cataagcaca tttttactat 120
 ttggaactgc aattttttac actaagcttg aggacagaca agaatactgt gaaaatccaa 180
 tgtagatgaa agcaggccgt gctttttcca tcaaagtaat cgcaaaaagt cgagattaac 240
 acaagttcaa aattattcgt taaattttag aacagaattt tgaaatgaac ataattcagg 300
 tactgtgtca tccacatata aagaactttt attctaaaaa caaataatcg tccgatcggt 360
 gtggtctgtc caataaaaaat tcacggcaaa ggcgttggtt aaaaatacat agacaaacga 420
 gtcgggtaaa aaacaaatac atgat 445

<210> 63
 <211> 531
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 63
 gtccgtggac attgcataat ttctgcggcg gccgttaatg ttaattcctg cagcccgagt 60
 ttccgagaat tacgcagaat aaagaccaga gagaaaacta taaaatcgaa aacagaaaaa 120
 agtgccgcag cagcgaaatg caaaggcgca taataattaa acacacagcg acggaatgaa 180
 gaaaaaataa tacacaataa gcgcagcttt gtttctagtt aaattgcgtt tgtgtgtgtc 240
 ttgccgtttc ctccgttggtc cgtttttcgc ttgttgttct atgtgacata acggaactct 300
 gggcaaaagc gaacaggaag cagcgataac cttgcaaaaa caaagaaaat accaaggagg 360

acaaaaaagc atgccaagca tatatctgtg aaataatatt ttcttttccg aggaaatgct 420
 gtttgtcgtc ggctaactgt tgtttgcctt tgaattgcag atcttaatcg tagagcagca 480
 ctcacaccag cacacgcccc ccgcaaaaca gcacacacag cacactcaca a 531

<210> 64
 <211> 421
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 64
 cacgaaactt ctcgggctga aaatatcgca gagttctcga atttgccgca attacgcatt 60
 atctgccatt gaaagtgaga gtatcgctat ggaaaatgag caatctccta ggggagtggg 120
 aatgaaaagg cctggtggag tgataagtcg catcagcacc ggcaaatatt atgtgtatgt 180
 atagatgtac gtatgtaagc acgtatgtat gtacatacat agcagatagg aagggtggag 240
 tatattccac gaaggatgga agtaaatctg cgaaaacttc gagactgcag aacaagtctt 300
 ctttttatgg cctggcattt aagctattaa ctttaattaa tatccaagaa tggggctctg 360
 gtagtgggga aatctaatta aaatcataag tggttaatgc ccgggtaggt aataaccctg 420
 g 421

<210> 65
 <211> 882
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 65
 cccgacacta aaacgcgtta agcgaccgca tgttccaaga acttggaataa tttccaagat 60
 atgcagctga taaaacagct gatagcgctg ccaacttatc gcagtgggag atcttgcat 120
 caacggtgag atcgggtgtg agttgcgacc gtttggcgag aaattcaaat ttaaattttt 180
 tatttaattt gttactatta ataataataa attaatacaa tacgtgacga tgacgatggt 240
 gatgatcgtg cccaacggca gcagacccaa ttgtaaaaag ttgtaatggc agaagcataa 300
 gtctaagtac agggctccac ctagcactgt ttcgcacttc tggggccccg tgatatttaa 360
 aaaaatttta ctttattaac tcgatatttt tatgcattta attatcagga aagcatatta 420
 acacgttctt ggatcagttt aattatttca ccgcacgcat tgatctttct tggatatactg 480
 ggtcgtattg ttcatagaaa caatagctgt atgggaaatc ctcataaccg caaaaaatac 540
 aatcagttca ataagtaatt ttctatttta ttatttatat atgtattaaa aaccgtccac 600
 aaaatagctg cacgatattt tgcttaagat aaaaagaatt gggtgactta agtgtagata 660
 caagtagatt gtacgatagc aacatttagt taggaggagc acaacattca cacacgggga 720

cagccacgga tttcggctta gaacaatgga aaaaagatgt ggtaagtggg aagcgccttt 780
 agcttgaaat atttatgtat aataagcaca cgagctataa ctaggaggaa ttgcacgttg 840
 cggatcgagt gtgagcagcg gggtacgact gcggcagggt ct 882

<210> 66
 <211> 569
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 66
 ccccggcgcg ttttacttcc atctcgctcc cacaaaggcg gaagagttaa acacaaaaaa 60
 aaaagaaaaa tagaaaagaa attataaacg aaaaactgcc accgccgctg ctcaataatt 120
 tgtgcatttt ttaaggtaat ttaaagtga atggaatgtc ttgtttgcat aggttagggt 180
 taattagtcc ggaaagctaa gcgaaaccct gggaaatatt acatatcccc gggcgaattt 240
 cttttgtccc gttacttttc gattttcatg cgagcggttt ttgattgctg tcattttctg 300
 gcgacttggg ggtgctcgcc attgtttggg tttttgaaca tttgtaaatt tgcataaaaa 360
 gtcggatttt aagtatttt ggtgtctttt gagcgggttt ttgcgcaggc agcgcagtcc 420
 gaaaatcact cagaatcgca ctcacatgcg cacacactta caattgtaat acacggacgc 480
 gcccccggtc gcgacagcta accggcactt tttcatgtcc tctcgcgcg tctctctcac 540
 tgctctctc tcttctttct ttttgatcc 569

<210> 67
 <211> 500
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 67
 aacagggccca aaaccagctg aaaactgggtg aaaagtaaaa catttgagga aggaaagcct 60
 taagtctctc tctacgcttc gtacacgtaa tgtgcgtggg ttaatctacg ttaaaacaag 120
 tggaaaccat gttacgtgcc gtggctttgt gtgtgtcagt ggtgctcata gcactatata 180
 cgccaacttc tggggaatcc agtcagagct atcccattac cacgctaate aacgcgaaat 240
 ggacgcagac gccctatat ctggaaatcg ccgagtatct ggccgatgag caggcggggc 300
 tcttctggga ttacgtttcg ggggtgacaa agttggacac ggttctcaac gaatatggct 360
 tgtgtttata agtcatggga gaaccgcgt taaagagctt ttatattctc ctcaatgtga 420
 atcgaatcca tataaaatca agtaatgggt cggaatataa aatccctatt cccaaagccc 480
 tataacgggg acctttccca 500

<210> 68
 <211> 469

<212> DNA

<213> *Drosophila melanogaster*

<400> 68

```
acccacacaa tattttcgac tttttcaatg aaatctcggg atgaccgcgg ccgcaacgcc      60
agtaaatacc aaacgagctc gcacggctgg tcacactgat cgaagggttg catttcgctg      120
tgacgtcatc gttgacccat gtaaaatgcc gttacaaaat ggcgagcttt tgaaaaaatt      180
cgttacaaat ttattaaatt aaataaacta atttttaaaa taatttgaat attcattttg      240
ggaatatgtt tagaaataat agacttacag aatataatct attggtaacg attttctttt      300
tcacagtttt cctcctcgaa agggaagtat tttaaattgt tattacacat gggggaagtt      360
gctgcttggt taatgaaatt gtgttaaata tatataggga aatgctttta atctactttt      420
tgtaggaaac ctttcatgaa aatatgtgga atctcacgtt ttattaaat      469
```

<210> 69

<211> 539

<212> DNA

<213> *Drosophila melanogaster*

<400> 69

```
ggcagcgtca attactgttc tcatatcatc tccgagagca cggaaatcag tgatggcaag      60
tgagaggagc aaatcttttg cggatagcaa aaaccgctaa gtgtgtggca gtcaacgcta      120
cttttcttag tatagtactt agttatacct tttatcgtgc aattttttaa tgaggactat      180
gtttttccaa aatggatctg ctcaatataa tttgactatt tatcttttaa tccattttaa      240
cctagtttta aaaattttta aaaagtgttg ataatgtatc ttgatggata tctttcggat      300
atcctacact gagcgaaact aaaattgttt gataaagcgt cctcatatgc ctaccttaac      360
acagtgaaaa aagccaaagt gccatctctg ggagcatgcc ggtgtcgctc gcccgatttt      420
cgtttggggc tttcagtatt attctattcg cctgcgcccc aagttgtttt tttcggatcg      480
gcaaagcccc cgtgcgcccc atcgactct cgcacacaca catacgcact ccagaaaac      539
```

<210> 70

<211> 547

<212> DNA

<213> *Drosophila melanogaster*

<400> 70

```
gacgtgctga gcgctgtaaa aagtcagatt cgtgttgaaa ttggaataat aagtttttta      60
ttttccgtgc gctggctgag ctcgttgctt cgacaattcg aaaagcgatc gaaaggagca      120
accttgtagg ccaacagcca ggcgtaattt acgcaacgca caacactcac aaaatccaaa      180
attgcacggg ggggcaacaa taaaaacaga ggcagaacag aacacagcaa gaagagcgtg      240
gtgaagagga gcggcggaga aaggagaacg gtgaacaggg aacagggaga gagcagaaag      300
```

| | |
|--|-----|
| gagagtccga gaaacggagg aaacatcatg gcgaacatgg caagtgtcgc ggatcaagcg | 360 |
| gggagttcaa gggaggtgat gcgcagcgag ggaggggtgag tcccgagcac caaggcccga | 420 |
| aggacactca aacggcacct cggcaatgcc agcttgcacc accggccctg gtcattggtgc | 480 |
| agggggcggg ggaaggggtgt ccgcgaacgt tgggtggcgt ttttggcgcg cttatggctt | 540 |
| ccgtttc | 547 |

<210> 71
 <211> 563
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 71 | |
| cacccgctga aaagccgaac aagtcttaaa cttagatgca attagtgccg aggcggacat | 60 |
| aaatcctcga catgggtgac aacgaacaga aggcgctcca actgatggcc gaggcggaga | 120 |
| agaagttgac ccagcagaag ggctttctgg gatcgctgtt cgggtgcgta tcaaatacaa | 180 |
| gaagtttcgc aattttctgtg ggagtgggga aatggaagct gtgtctggtc tagcctagca | 240 |
| tctccacaac cccacaaggt actgagccct attccaagta gcacttgat gccaatcac | 300 |
| tatgcttact actttgtttt tatgtatata cccactcacc ataatacgta tacgcagttg | 360 |
| tggactctac gcctccacc agaaaggaga agaaaatagc gcaaaaagtg cgacttacag | 420 |
| aggataagtt tcagatatga agaacacaaa gtgtgcaaaa tgctgttaaa aaatatcccc | 480 |
| tagtacataa tatatgtaca ctatgccatt cgtaccaggt ttcgatgaat catagtgcgc | 540 |
| aaaagtcaat cgtgtaaaaat aaa | 563 |

<210> 72
 <211> 594
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 72 | |
| gattgagtcg aatcctggcc gggaacttac actttaaacg gcgtaacgtc agggcaaaat | 60 |
| agaaattggc taatttcctt cgtttttttg caagcgcgtc gtcgatgata gagatgcaat | 120 |
| gctaaagatt gtcgagacga ctgccatatt cgattacgat aacgataaca gagttatgga | 180 |
| gatgacactg cgcggtatct ttatacttgt tacgttctctg cgatcatgatt ttagtatttt | 240 |
| gtgggtttaca tcgatataatt tgggggtttta aaaggatatat tttaacgggt gcagttgcgg | 300 |
| gcacactaaa gtgcataaac aaagtttact acttaattcg ttatcagtcg gaatgattcg | 360 |
| aaaccagttt acgcgccaat gaccggcttt ccattcttat ttgacgagcc taacgtgcc | 420 |
| gttgacagta agttcccaa ccgcaacgac ggtgggcagc cgtgattcat cctcaacgct | 480 |

ttttttccaa ttgtgtatgc aaaatgtttt tgcacgtaac gagctgaact attgagtttg 540

ctaaatagtt taacaagcaa taatttggcc gacatgcagg ttgatgggtg acca 594

<210> 73

<211> 583

<212> DNA

<213> *Drosophila melanogaster*

<400> 73

ggttagggta aaattaaagc cgaatattat caatcccatt ccaaagttca attttgtgtc 60

ggaaccatag taaattaatt gtcccttgct attaacaacg aaaaatgcat atttagctat 120

tgcagttgag acggcagcta ttgcttcttc accacgctgg gaagttgaga atcgcagaca 180

aataaatctt cctcctcctt cgtccgggtcc gaccatcaac ttcgatttca atttcataca 240

tttcgtttgc gtgggacaag cgagcgacag cagtctctgg agttagcgga tttattttgt 300

ctcgatttgc tgctgctgtt gattttgatg atgtgtttgc tgctgtttgt tgttctcgta 360

ggggtgattg actgactgac tgctgtggct gcctccttat gccacctgct cctgggtccgt 420

tgcaggcctc ttgggttttt catgacttcg ggtaagtctg ggtggtgccg agtaggggtg 480

tcatgtccca gtgtctcaaa gtcgcccacc tcgttcctta aagacagata gctatgttgt 540

actactacgc tgaactgtaa gcttgtaagc ggaacacgtg ccg 583

<210> 74

<211> 589

<212> DNA

<213> *Drosophila melanogaster*

<400> 74

gtccgtgcga gcacgcgcga gtgtgtgtgt gcgcaggaaa acccgccgat cgggaaaagt 60

gtagaaaaggc ttagcggcgc aaacaaaagg cagcgaatta gcgagataac acacacgcga 120

caacgactgc aacggatgcg ccaggagaaa ggccgacgac agtgacggca aaggcgagtg 180

cgagtgcgac agcgcagcac caattcagcg gagcaccgcg ttttttggcc aaggtgaatg 240

cgattacctg tgcgcggcat ccaggtgtac gcagcatctg gtttatggcg cacggccgcc 300

aggtagccgg cggtcaggta gcacctccac cgctacctg tttctccacc gccttgagcc 360

gaatcttgta taaatactaa aagcgctcc ccttgatttg cagttcgctt ctggagcgca 420

caagcatgca acaactccgc caacaccaac acagggatgt gcgcaactag tttgatcgga 480

acaaggatcg cttgcccaca ccaacacaca gaaagtcagt ggaataggag aaacacactc 540

gccataaca taaacaccac acagcacgat gaacaccacc agacagctt 589

<210> 75

<211> 314

<212> DNA

<213> *Drosophila melanogaster*

<400> 75

```
gtccagcctc gcactcttcc tccagggcgc acggtctcac agaactggtg gccggcggtc      60
acactggcgc gcagcaagat ggcttggtta caccaacgcc tatcgatata gaatagtgac      120
cgttttagact agccagattg tttgtggtat gagcacatat tttattataa tacataatag      180
cttataaactt atttatctag cttataaatt gtttacagca cccaatacac aatatatcgg      240
at ttggagcg gtggttatgc gatgcgattg tatagtggat cacggctatt ttaccatcga      300
catgtaaaga attc                                                                314
```

<210> 76

<211> 591

<212> DNA

<213> *Drosophila melanogaster*

<400> 76

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atttaggccc tcgagaagga cgcacgcctt gcacggctgc tgtgaggaaa cgaagccaca      60
tcgggtgcat gtgccacgct cgggcttctt taccggtgtc ttgaagcgaa gctgttcgcc      120
agagtagatg atgtccatta taaccgatgg tcgcactttc tccaaatcct tgagaaacgc      180
tcgagcgtgg ccgcgatacg cattgggggc gaatacgcac tccgttgaga agtagaccag      240
ctttttgtag tgggcgtaca tcacgatttc tttctcgtag ctgtacttga ggggcttcac      300
tcggggaatg gtatcctcgc ccccgccggt gcggatgctc gtgcagcgtc gcaggcgcgc      360
cgtgtcccca cggagcacgt tcatcaagac agtctccgca atgtcatctg cattgtggcc      420
tgtggctatg ctatcaacgc ccaacagctt ggccccctcta tccaaggcct gtcggcgaa      480
gacccgcaaa atgtgcagtt gttagacggg ccgatctggg caacaatgcg gtccatggtc      540
cagccgtaaa cttcttgtag gacaaggatc tttagtggca ttgggtaatc g                                                                591
```

<210> 77

<211> 617

<212> DNA

<213> *Drosophila melanogaster*

<400> 77

```
gcttagatta cgatctcaga actgagaacg tgggagagag agcgtgatag aggtaggatg      60
agggagtgga gccccgagag agactctctt ctcttgccca ccgatatcta atcaaaacaa      120
ataatgcttc agtccacggc ggctttactt gattcatata tttagttcta tactgcgagg      180
catgcagtac gcttgccgtg tgctgcgttt aaaaagtaat aagtaaattgt tctggataaa      240
aatttaatca aaagacaaat aagtgaaga acaagaaact caaaagatat aagcaacata      300
actcgaaatt cagtacgcct gagttggaaa acaccgaaac cgaaactcaa atcgaatcta      360
```

| | |
|--|-----|
| catataaccg ataccataat gaagcacaaa cttctgttgt tggtagagtaa atatttcagc | 420 |
| catctaaaac agtatcccta tcttatcgca catactttgg gctcagatag tggggatcag | 480 |
| agagtgtttt ccgttaagct cttttctgaa tgtgcccag tggggagacc tttttatgaa | 540 |
| gccatcgatg accttcttcc ggacgggcag ttggcccaaa aaaaaaccac caaattagga | 600 |
| tgccatatag gtatcga | 617 |

<210> 78
 <211> 396
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 78 | |
| gtacagaact acttcatgcg ctgggattaa cagcactcat tgcgcataac agcacgctgt | 60 |
| tagttttaac aggcgacaga ggtgcccacaa caaactcaac atttttgcat gcgcatacac | 120 |
| acaagcatgc atgtatgtat gtatgcgttt gtttgtatgt atgcctttct ctccgcatgt | 180 |
| tacaaaaagc aagaagtttt tggcaacgac aatgaatgaa aaattgaaat ggcgaattgc | 240 |
| aaatgcgaat tgcgcttacc tgcgtcgctg cctggccttc ctttcgcgac agtggcgagc | 300 |
| gaaatgcccc cgtccgcccgc actcgtagca cttatcgctc ccacgaccac cgccgactcg | 360 |
| gaccgcgtcc tccgagttct ttcaccacca accgcc | 396 |

<210> 79
 <211> 586
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 79 | |
| agcgggcctt tctgcctctc tgtgtgcttt tgaaaaaagt ttgcttgaaa aatgtgtaaa | 60 |
| gaaagcggcg ccgccagtga gtgcgtgtgt gtgtttttat gtgtttgcaa atacaaaggt | 120 |
| aaaacagccc caaaggcaac aacaaagtgg cggcgttggc ggctatagcg cagtagcagc | 180 |
| gacgcagcgg agcagcagca gcgacgtcca gtgcattttg gtgcaaaacta attgttggtg | 240 |
| tgagaggtag gctatactcg tatgtgtatg tgtgcgagtg ggtgttagtt gcagggtgtgc | 300 |
| gtgcgatttg atttgcatth atgttggggg tttgttttca tcttttcatc aagtaatata | 360 |
| aactaaataa atgaactatg tgtggaaatc atttaataata tatataaata aaattagaaa | 420 |
| gtataatatg aacatgaaag ttaaagttaa aatccgtagg aaatcaacaa aattgggtgaa | 480 |
| tattaaaatt aaacaaattt tccgaaaaac cgccacacaa ttccagcaaa agccaaagta | 540 |
| aaacttaaaa atcatattta ataaacagca ttaggggact ggttgg | 586 |

<210> 80
 <211> 646
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 80
 gtacaggtgt ttttcgaata gccggcactt tgatccaagc tgttattgcc atctccttca 60
 aagttgccta tcgatagggt tctcaactag tccacgtctt ctacttgccg tttttctttt 120
 tgtaaaataa gaatgacgct ttaatgttgt gttaaaccatg caattaccta gagcgacta 180
 actagtatag catcagttag gtcaattggt acctgtaggt gtaaagttca agccgcctga 240
 tgtggataac cggtcagttt gttttttttc tgctggtggc acttgttgcc gcaaaatcga 300
 aaacctcggc ggtgcaggat gacatcgccg agtataagga cttcaagaag ctgctgcgca 360
 ccaagaacaa tgtcctcgcg ctctacgtga ccagtgcgaa atccgctgct gctgagctaa 420
 agatattccg tgaggcggcg gaggcgatac ggggaaccgg gacaatgttg ctgctagatt 480
 gcggacagca ggatcgcaag aaactgtgca agaagttgaa ggtatcgccg gaccctacg 540
 ccattaaaca ctacaaggat ggcgacttcc acaaggacta cgaccggcag ctgagcgctg 600
 ctcatgtaca ctttcatgcc gtgacctcc ggccaattgc ctggga 646

<210> 81
 <211> 655
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 81
 gttccgtgct ttcaacattt tccgcaatcc gttgaaaccg gcaaaggcaa actgattaca 60
 tgaaatcata tgtttctgcc ggaatatcga taacggactc tgtcttttgg cgccgcaggt 120
 tatcggagtt taaattgtga taaggatgca aagaaagttg gttcttagat gttacaatca 180
 atttcacaac ccaatctttg cattgttgag ttaggatcat cctctagcct tacatctttt 240
 gccatttagt tacatcatgc aattgttcat atcttcaacc aaatccatat agaacagatc 300
 ccctgtttat atattttttt atacgtacag agttgtaact aaatcctctg agattctgtg 360
 gaatggctta ttgctagcgc taaatataaa caggaaaatg gggtcattca ccagaattt 420
 ccatcgaaat tgaggctgag acccattctc ccttccccac cagaatttgt ttaggaacct 480
 ccgtgcatcc actattacgt cgctttattt gtagacaact tttgaaatca agagtgttaa 540
 gtacattagg cgggctgaag tggttatccg taatggatac ggctactact attggttaca 600
 gcgatctaaa aactacaggc acgcctaaa tagcgaacgt atgggtcaatg aattc 655

<210> 82
 <211> 601
 <212> DNA

<213> *Drosophila melanogaster*

<400> 82

```
ttttgaaaca tattcagtca ttggcaatgg agttggtgaa acgcggggttc ctgcgtgcgt      60
gcaagaacca cagctacctc agcttcgagc tgatcgatga taccctggcc ccgctatgtg      120
ccaaccacaa gactacaaag cccggcagca aggaggcgat tagggcactg gtggcggaga      180
ttaatgacac catcagcgac ttggggccagt tgctggtctt catcaagtat ccggtcaagg      240
ccgaggagta cctgggtttac gccaaagacgg acgctacgcc ggacagcgtg gccaacaccg      300
ggctcactgc cgaggagtgt cagtactttt cgaaactgct ggacaagatc gcctccgagg      360
aggactgcca catcgccctgg aatgacgcct acaatgatat cgtcctacag gccagctcga      420
agccgttgaa gaagagccgc atgcaggagc tgctccagaa gtggatccaa atgggctact      480
tcatggaggt gaccgacaga atctacctag gtccacgtag cctcgtcgag ctcaagttct      540
atctgagctt gaaccacgcc gatacataaa aaatgcacgc ttgtgcaagt gcctggtggt      600
g                                                                           601
```

<210> 83

<211> 543

<212> DNA

<213> *Drosophila melanogaster*

<400> 83

```
ggtcgggtct tcaatgtcac caatcactat cagttaaacc gtcgagtgga tcacttcaac      60
atgcccagtt tcaaggataa agttataatc gtgaccggag ccagttcggg aattggagcg      120
ggacttccgg tgctcttggc taaactggga ggctgctca ccatcgtggg caggaatttg      180
gataagctca acgagaccgc ggagcagata gtggcagctg gaggagcgcc agcactccag      240
gtggcggcgg acataaacag cgagtcggac gtccagggca tcgtatccgc cacattggcc      300
aagcacggtc gcatccgacg tgctggtgaa caacgccgga atcttgagc taggcagcat      360
cgaggacacc agtctggagc agtttgaccc gcgttatgaa caccacacgt ccggtcgctc      420
taccagctga cccacctggt cacaccggag ctaatcaaga ccaagggcaa cattgtaaac      480
gtgtcttagt gtgaacggca ttccgttctt ttccggggag tcttacatac aatggttcag      540
tgc                                                                           543
```

<210> 84

<211> 162

<212> DNA

<213> *Drosophila melanogaster*

<400> 84

```
tatccgccca aatgaagaga agctactctg tatttttgtg ctctttgtgc ccgcctcttc      60
```

aagtcgcttc acgtcgaggg aagtcagcag ttcagtcaca tttagacatc cgcgcggtta 120

acccgctttc ggcggtataa cgagattttt tatttogaat tc 162

<210> 85

<211> 526

<212> DNA

<213> *Drosophila melanogaster*

<400> 85

gcttggcgca ttgcgggccc taatttagct actctcgaat tttaaaaagc ctaaatttgc 60

ttttttgctc ggtggatagt gtgaccgttc ggataacgat taaaaatacc gtacggctga 120

tgattaagta taccactagg taaaatgcgt taaaataacc cataaattaa taccgttaaa 180

ttaacgaaca ttattatttt tttaaagtat aattttttta aattcatttg tctatattta 240

ttcctttaac actaaacgtg aagaaaattg tgtactttga aacggacggt gcagaacagc 300

agtagcttat aaaaatgcaa tgtttcccggt taccctaacc gaacagataa tgtttaaagt 360

ttaaaatttt taattctaatt tcttctttta atggagtata tttcctgtat gggatctctt 420

accttaagct aggaccttag agcagaccga aggcggcaat tggggggccc gccttgggca 480

gtacaacacc ttgccggcac cagccaact tcgtaattgg agttcc 526

<210> 86

<211> 568

<212> DNA

<213> *Drosophila melanogaster*

<400> 86

gtctgtttca tggcgcacag ccagttttcc gctctatcca tgtggcctca atggcgtaaa 60

tgtagtcggc tggtttttct ttccaccagt tttttcttgc gaccgggtat ttaaggtgta 120

tctaaatacc gttgaaggcg attgcatatt caaaagctat tacttccctt attaaaatac 180

atacgtgcat acatattatg tattaatttg ccgctcgtaa agtaaaagac gactcgctca 240

cttatcaact gttggtgcct ttatttacgt aactcagagc accaagcagt tgattcctcg 300

catgaagcgc tctccttgaa ctaaaactag ttgtcattca ttttgatagt gttggttgtt 360

ctatgtttga gtgccttaga gcttatgctt ctgatctttc ttttgccatt ttagctattt 420

tccctgagat tttgtgattc cctatgtcta tgtattcgtg catttacgcc aaaagtgggc 480

ataagaaaaa atttaaaatc aagctttcgt attagcaata agtgccatgt ggacgtactg 540

gacttggaac acacagtctc ttcatttt 568

<210> 87

<211> 675

<212> DNA

<213> *Drosophila melanogaster*

<400> 87

| | |
|---|-----|
| gtccagcacc agtttttttg gcgtagtagct gtagcagaag caaaaggaag ccgcttgtga | 60 |
| taaatttcaa cttccatcag caagcactga atttgaggaa atcaggtaaa tttttgcatt | 120 |
| tctacgcgat tagttgctgc cccgcggtat tgtgcttagt ttttacgtgt ggtttaccaa | 180 |
| tttccgcgta ctttaattgga catTTTTgcct cgtTTTTttt cgtacagcac gcccggcatt | 240 |
| cgacgctccg caaaagaaaa aaaaaacttt ttgaccact tagcagcttc aacaagcaac | 300 |
| caaaaaatca acatgtctga cgaaaagaag ggaggtgaga ccgagcacat caacctgaag | 360 |
| gtcctcggcc aggacaacgc cgtcgtccag ttcaagatca agaagcacac acccttgagg | 420 |
| aagctgatga acgcctactg cgaccgtgcc ggactctcat gcaggtggtg cgcttccgtt | 480 |
| tcgacggaca gcccatcaac gagaacgaca ctccgacctc gctggagatg gaggagggcg | 540 |
| acaccatcga gggtaccagc agcagactgg gtggcgctcc ataagaatac ttagttaagt | 600 |
| tagttacttc tcttacaact accccttaa acgaaaagaa aaaattcccg aaaaccccaa | 660 |
| agcaaaacac accac | 675 |

<210> 88

<211> 210

<212> DNA

<213> *Drosophila melanogaster*

<400> 88

| | |
|---|-----|
| caacggcgga tccttaatac gaactaacgc gcacacgact ctacgctttt taccgctatt | 60 |
| tcggctacac agcggtttct gttttcgttt tgcaataata ttctattctg aaagcgcaga | 120 |
| tgcagcggac aaggagaatg tggatgatta ctgttaggcc agtgatctcg aacttgtctc | 180 |
| caaatcggat tcgaagtgct aaccgaattc | 210 |

<210> 89

<211> 590

<212> DNA

<213> *Drosophila melanogaster*

<400> 89

| | |
|---|-----|
| ggctgtgcga gccaacagtt gtccgcgaag ctttcgacga gctggaacag atagagattt | 60 |
| gatcgcgaga aaggcgtagt agcactgggt tagacttaga agcgtccaat ttgcacagcg | 120 |
| ttaattatca gcgccagaga caagatggcc aatctggctc ccaccatccg gctgaacaac | 180 |
| gggcgcgaga tgccaactct gggccttggc acctggaagt cgttcgagtc ggacgcctac | 240 |
| cactcaacgc gccacgcct cgacgtgggc taccggcacc tggacaccgc ctctgtctac | 300 |
| gagaacgagg ctgaggtggg ccaggcgatc tccgagaaga tcgccgaggg agtggtcaca | 360 |

cgcgaggagg ttttcgtgac caccaagcta ggcggaatcc accacgaccc tgcattggtg 420
 gagcgcgccct gccgcctgag ccttagcaac ctgggttttg aatacgtaga cctctacctg 480
 atgcacatgc cgggtgggcca gaagtccac aatgacagca acgtgcacgg aaccctggac 540
 tgacggacgt ggactatctg gacacctgcg cgagatggag aagctggtgg 590

<210> 90
 <211> 478
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 90
 gttcagtcac tctcgccgta aaacaaaagg aaaacatcgc ataaactcat tttttgcctt 60
 aaaaaccgta caattgcaat cgaataagat gccggactac ctgggcgacg accagcgcaa 120
 ggtgaagcac gatgagaagg aggacaagga gatcaagtcc ctcgacgaag gcgacattga 180
 gcttctaaag acttatgggc agagccagta tcacaaatcc atcaagagca tcgaggagga 240
 cattcaaaag gctgtgaagc aggtgaacga gctgactgga atcaaggaaa gcgacacggg 300
 tctggcgcca ccagcgctct gggatttggc cgccgacaag cagatcctgc aaaacgagca 360
 accgctgcag gttgcccgat gcaccaagat catcaacgcg gattccgacg accccaagta 420
 tatcatcaat gttaagcagt tcgccaagtt cgtggtggac ctactgactc ggggtggcc 478

<210> 91
 <211> 574
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 91
 ctctgaacag ttcttagact attgaagcca agccatcgat tgtgccccgg catatcgata 60
 ctaccaacat ggccgtcgag aaaaattgaa gtgaacgcaa cgccgtgttt ttcatttgcc 120
 aataaaacgt taacagctca cgaaatatcg taaagcgtgc ccgcaaacgt cgccaaatgt 180
 aagcaaatta ttttagtgcc tgttttacat cgtttacata attgccagag ctgaaattcg 240
 gaatttagtt gctgccgtcg ggagtatcgc caacttttgc ctcacactct ctctctgtct 300
 cgctctgcat tcctctctg ctgacaaggc aaatatattg gtgctggtgt gagtgtatgt 360
 gtgaaaaatg gaagaaattc aaaatgcata tgtgaaaaga tatacgcgca agccgattaa 420
 aaatcggtct tctcgacga ttttgattgg gaccacaggt ccccgacccc cgcggcgtga 480
 atgggttaaa tgacagccgg agcgcgtccg cgattctctc tgcgttttca ggtctctcgc 540
 tctattccat tctgataact ccgctcctga attg 574

<210> 92
 <211> 169

<212> DNA
<213> *Drosophila melanogaster*

<400> 92
ggttgtgtcg tcgaacgtga aactacgcgt ctccgcgaat gacgcagact ggaagcttcc 60
actggcatga caatcgtcta aaaacattca acaatagcgg tgcacttgca aattactggt 120
gccgcaacaa caataacaac tgcttcgcta agcagtagct gcgaccaca 169

<210> 93
<211> 414
<212> DNA
<213> *Drosophila melanogaster*

<400> 93
agctgaatga taaacgaacg attttattaa accgtcacct tggttatcct caccctgaca 60
gcgcccttgg gcgaatggca aacagctgac gccatatccg cggacgcgaa tggcacattg 120
ctagttctgt tttcttgctt cgcggttgcgt gtttatcaaa cgccttttgg ctaatgggtcc 180
gcagtcggtt ggcgttatca cgggaattgac gaggccgatg cgtcacatgt gcgtgggctg 240
catccggaca ccatgaacta ctcgactacc gcgctgtcgc ccggcggtag cggaggattc 300
ggtggcggtt accagcacia ccgatgttgc ggaaacaagg cctggtgcgt caaggacatc 360
tgccggcattg tgtgcgtgat catgacctgg ctgcttatcc tgttcgccga attc 414

<210> 94
<211> 354
<212> DNA
<213> *Drosophila melanogaster*

<400> 94
gtttgtcccg tttgctcgag cacttggtcc caacgtaagt ctgaaaagac ttattttccg 60
agataataaa tcgccgtggc tgcgcattat gttaaagtga gtggttccgt gccgatttcg 120
ctgcgttggg gccgttccaa acatatggaa tctaaacgca gcgtatttca ctctgccc 180
tgtgtgtctg tgtgtgttta tggttgtagt ggggcttccg tgtcgcaagt ggaaaacaaa 240
tgaaattgag ttctcgcttt gagtcatatt cgagtgcgaa ataaagcgcg ttatgcgttg 300
tccatcgaat tacccttaa tttgattacc agctaatttg gtacccccca agac 354

<210> 95
<211> 48
<212> DNA
<213> *Drosophila melanogaster*

<400> 95
gtccgctcgac tacttgtgcc atttgttttg aatattccga gcgaattc 48

<210> 96
 <211> 577
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 96
 gacacagctt ttgagtgctt ttatttcggt tttgttggtt ctctgctgt acttgacagt 60
 ttagctctca attgttgctg ttgttggtgt gtgcgaggtc atcgacgcgc attagccgaa 120
 aaaatcgata ttaaacactg gtcgcactag ataaaattgg ttaatgggtt agcttatggt 180
 tgtcgattga caacgacaat gacaaataac tacagaaact ggagtttttc aacgcacaaa 240
 cgcataatac aattcaataa ccgggcccgc aatcgaaaaa ctttccgctg acttgagcgc 300
 acgtttgtgtc gcgagacgca atttttccaa atgggagctg caccgatgtg atttttggag 360
 cccaccgaag cggcgcctgc tctcgtcttc tttatctttt tcttttctcc ctttctttcg 420
 ctctgtgcgc tctctctttg cgcagactct ttatcgcttg aagtttttaa ttcggattcc 480
 tttgcattaa ttatccaata gccggcttat atgccgtctt aagaggtctt ggatgatgtt 540
 tcttcggggg gaagtgtgaa tggggccgtg taacaag 577

<210> 97
 <211> 582
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 97
 ctttggtggt ggcaccgctg ccgataggtc gtgacgctga ggtgacagct atcgtgcact 60
 tagacagctg gagatgacag gctaaggcaa ctcaactatc ggctgctttg gctctaaaat 120
 gaactagtaa aaaaaaacg aagaaataat atattcaagt tatgaattta atagataaca 180
 ataatagata aaatattaat tctacaaaat gaattgttta aatcaatttg aatgaatcct 240
 attaataata ttggctatta ttaaaactcc gataataaat gctattattc ttgatttccc 300
 ttgatttaat tatataatac atacttaata actatataat tatatagaat aaaaacttaa 360
 tcacgcattt aatagatcat atagatatag aatatataga aaatcaatga aatcgatttt 420
 gatagcgata atgtgcaacc ttgcatgtaa gttattttta gatttttagct gggcaagcgc 480
 aattttcttg gcgcgcacca aacaatttgt aaataatatt tttgctcaac tggatttggt 540
 tcgactgcga atcactaaaa atattaagtg acttaagccc cg 582

<210> 98
 <211> 297
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 98
 gtccagggtc tggcaacaca accgctgttc accgatcagt ttttattggt tttcaggaat 60

| | |
|---|-----|
| aagtaaattg gattattgaa ggcttcactt ggcacgtatt agcttggatt tctatacgct | 120 |
| caagctgcgc agtcttcacg ttgtgttatg agacccaaat agatcgaagt gcgtgtgtgt | 180 |
| gttattaccc aaaggagttg tgttctttaa acttcgaacg ccaccgacat catcatgttt | 240 |
| ttcatctcac cgaattataa atagttgtgt gtcgtttgtt ggtgccataa tgaattc | 297 |

<210> 99
 <211> 583
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 99 | |
| ctggtgaata aaattcgcgt cttgtggaaa gtgaccagag tcacgaactg ggaaaacggt | 60 |
| agaacggtaa actagttcca ttctacgatg attatgatgc gatacatcga actgctttgt | 120 |
| tacatatcgc ttaaaatcgt gtcaatagaa aataaacggt ggatggcatt taaaaaatcg | 180 |
| gatttgaagc aaaaaaattt aatgatttca ttcgtttata tcatcaaagc cagaaaatag | 240 |
| atgaccttac aaattaatct aatagcaata ccgatataatc gtgaccaccc tcacacgtga | 300 |
| cagctgtgaa catctgttgc acgaatcacc cactgctttc attcgtcgtc atgcgtcatt | 360 |
| cagtcgaacc gtgctgtgac aaattacgca atgtctaaca actgatgtaa aacaagcaat | 420 |
| ttaccaaaaca gttggccaaa ttccgtgtgt acacacactc cgatcgaccc agcgaggcac | 480 |
| tttaaccagc tcctgaccac ttcgagatgc tgcgcaaaac ggcaacgatg ggaatcatgg | 540 |
| cggcgggttg cgttaaagcg gctcccgagc cccagaacca gct | 583 |

<210> 100
 <211> 675
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 100 | |
| gtcacactgg caatttggtg cccgaagttg aattgccgtt ttgtgaagcg gatagttacc | 60 |
| tgccgataat cttaaataaa aatgtttaaa ctggcccgta tgctcctgcc gcagcagcgg | 120 |
| atcctggcca gcccgtgcg cctgcaacgc ctgatctcta ccagcgacga ggtcaacgca | 180 |
| gagcccatca tcaagtccat ggacaccatt ggcggcctcc ccaccgaact ggtcaacgaa | 240 |
| cagaagctga agaagactag caggtaatca atctaccggt ttctgcactt gacctttgcc | 300 |
| ttgcctgttt gttttgttta catttcgacc ggtatgggca tgggcatggg atgcatgtat | 360 |
| cggaggcctg ttttgggcgt gattttcgaa aaggagtttc ggggtctttt tttcttgatt | 420 |
| tcaagtgggg gagaaagttt gtatcgagcc gcttatgcag tcacgtagac catagatgcg | 480 |
| tgcattgtgt tgtgtatgta tttgtgctg cctgggtggg tcagttatgg gctctattgg | 540 |

tcttgacttt tggtttgtcc acagaacctt atcgacgctt caaaatcctt cggttcccat 600
 tgccgttcgc gtcacggtgt cgaaagatga aagtccgact ttatggccgg ttccaggtga 660
 aaattgggta ttatg 675

<210> 101
 <211> 395
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 101
 ggtcaacgta aaggccggag agcacaaatc cgccgagttt ctcaagttga atgcgcagca 60
 cacgatcccc gtgctcgatg ataacggcac catcgtgagc gattcgcaca ttatctgcag 120
 ctatctggca gataagtacg caccggaggg cgatgattcc ctgtatccaa aggatccgga 180
 gaagcggcgc ctggtggatg cccgtttgta ctacgattgc ggtcatctat tcccgcgaat 240
 ccgtttcatt gtcgagccgg tgatctatctt cggagctggc cgaggtgccc agcgattcga 300
 gtggcctacc ttcagaaggc ctatgatggc ttggagcact gtctggctga aggtgattac 360
 tttgggtggg cgacaagctg accatcggcc gatct 395

<210> 102
 <211> 58
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 102
 gggcggagac tcgcgacagg ctgccaaagc gattccggat cattttcata gagaattc 58

<210> 103
 <211> 621
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 103
 gtccgtccct accagcaacg cgaaagggtt ttgtcttgct ttcttggtgc tttgtgtgat 60
 tctcgagtct ctgttctgcg tctgcgtccc gttctcgtgc caacgaactg atttcgcccc 120
 gcgttcgtgc tcaatcgtaa attcgaaata aattaaaaat gtctcgcagt tcgtacctgt 180
 tgtgtgtgct gtttttaggt gagcgaaaga gagggagaag aaatgaagaa atcgtctcgc 240
 gatcagattt tacggatacg catctcgta ttgcaggcgc cagctgcttg attttcagtg 300
 cgagtgcagc gcggaacaat cgaaggggtt acaaggccac ggagccgccc accaccaccc 360
 agcccccgca gacggccaag gagtatctgg acagtcgacc cggaatctcc acattcggca 420
 tcatcgccat catcttcacc gtaatcggtt tctgcctcgt cttctactac ggcataattt 480
 gctacccctt actctgtcgc gatgagaaga aatatcgggt tatggaccgt atcttcaacc 540

attactgccg cacattgccc ttcatTTaat ccatagagaa ctattccgac ccgaacacca 600
tcatacgttg gcctgattcg g 621

<210> 104
<211> 534
<212> DNA
<213> *Drosophila melanogaster*

<400> 104
ggtgtcgcc tggcgtgggt gtgcgtgtgc gccgatgtgt gtgcacgcgc ccggtgtgac 60
gatgtgcagt ttttgcaatt aaatttataa acaaaacact ctttttcctt caatataatt 120
cacagacaca gacaccactg aacaaattcc ttagtggttcg tgcttctcgt tctctgacgc 180
catcttgtgt gtgcgcaggc cagggttgtc gaggtgccgc aactgtctaa catgggcggt 240
cggagggtggc aacgctgtta gggctaacta atagtgtgac ccaatcgctt ggtattgtta 300
aattttcctt caacggtcat gctttgcata acaattcaca ttttctgatt gaagaatcct 360
tattttatgc caaaacttgt attagatata taaaatatcg agatgtctct atcgccagcc 420
agtggcattg gtcgtttcta tgccaagtcg gcaaaaatca tacgtttcgt acgcctggga 480
tgcaccaatc ggctttttta tcacattgtc gtcatggagg tgccgtactt tttta 534

<210> 105
<211> 593
<212> DNA
<213> *Drosophila melanogaster*

<400> 105
acccatcctt aacatacaaa tattatcgag aaacttatcg actaatcgac tcgccactct 60
gcagagagcg cggcagtcag tcgctgttga accaagctaa aggacagatc aaaaataaaa 120
gagacacgtg aaattgtatt agaataataa cttctgtaaa cggcgggctaa aatctcagaa 180
gtgggattaa taatccaaaa tggacgataa aatcatcctg aacgactttt cgctgacaac 240
cctaaaagat tggctacgta ttctgggcca aaatacggag ggcacaaaaa ccgaattaat 300
cgcgaggctg caagacatcc caacggcagt tcggggcgat tgtccaccgg agcaccacca 360
gaaaaacgct ccaccaggaa acgacatttt ttcttctactg ggattttcag aattgtgaaa 420
ttaacaccga tcacgtaaag tgtgaatggc gatgaacaga aaagaatcaa ccgaactggg 480
cagtgaagg gagacaaaca tgttcgagct acagcaacta cgcgcagact agcagaagcg 540
aaggcatgct taacggacac gatcgacttt gcagttccag aaccaccacc acc 593

<210> 106
<211> 332
<212> DNA

<213> Drosophila melanogaster

<400> 106

| | |
|---|-----|
| attgcgtgcc tggaaatcga acgtgtgtga atttaattta cgattcgtat aattatcagc | 60 |
| aagagcaaac aatataagtt gcaaacgacc gttaagccct atgacactaa gatccaaagt | 120 |
| aagtggctac caccgaactg ttccatttgc atttgaaacc agtttccagc gattcgagt | 180 |
| catgaaattg tccaaaaaag tgcaacggtc gagttcaaca aaccgatcga ttgagataac | 240 |
| accgcaaata tatagcagt aaactcgcaa ataaatacct acatattctt ctgataagtt | 300 |
| caagaacagg ctagccattg gttaccgggt ag | 332 |

<210> 107

<211> 475

<212> DNA

<213> Drosophila melanogaster

<400> 107

| | |
|--|-----|
| ggatatagtt atacgcgact tcactgctcg ccgcggcacc tttccacctg cccgcaacgg | 60 |
| tcactttggt gttgtcaatc gtttcgttcg catcgcgtcg cggaaaatcg agatataaat | 120 |
| acggaaaaca aagatataac tccgacgcgg cgacttccgc agcaagcaac tgcaatgcgc | 180 |
| tcgagttgag ggcgcgccga taactatgtg cgtgtgggag cgagtgcgag tatagcacac | 240 |
| aagtgatcac catcagcaat tagcaagtga ccaaccgacc gaccaatgag cacggggcat | 300 |
| tggcagcagc agcagcagca cggagggagc agcagcacct gggaaactgag cgcggattgg | 360 |
| aaggcgtgct ccctgcttgg cccgcagacc cgtcgaacgt cgataccggc aggacacgcg | 420 |
| ctaagcagcg actcacttga acgggaagcg ggcgcgcagc ccggatgtcg ccagg | 475 |

<210> 108

<211> 36

<212> DNA

<213> Drosophila melanogaster

<400> 108

| | |
|---|----|
| cggctgcccc tggattttct ttttgtttcc gaattc | 36 |
|---|----|

<210> 109

<211> 614

<212> DNA

<213> Drosophila melanogaster

<400> 109

| | |
|--|-----|
| gactgcaccg cgctggtggc atgtgcaata gtacacgacg ctctgtgaaat caattcgttt | 60 |
| gtgtattaaa agggcaagat ctagctggta agtcgagtgc actcgaatgc accattgaaa | 120 |
| taaccaatag gggaagagac aggaagtga tagaatcggg aaatgatcag ataaaagacc | 180 |
| gcaaagttta ggttatgtgc gagccgctag acaaggagtg tttctctgtc cccggaaata | 240 |

| | |
|--|-----|
| tttgtggaca tatggctatt ggaggaggag actgggtgac tgaactgcag tccggaagac | 300 |
| aatgtcactt attcgcaa at ggggcacttc atcagccaag tgctatztat aaaaccatga | 360 |
| cgcaacgcac acaatactcc tcctttttcg cctgttgctc gcttatcgaa actgtgtggt | 420 |
| ctacgttctg gttttgtgac cctcttgtaa aatatacaac ccttccttct tacagccgtt | 480 |
| tttgtgcatt ccaagatggt cgaggacaaa gagcaagtgg ccacgggaag caggtcttca | 540 |
| agaagggacc caaaagctgg ccaaggccgt taagtgagaa tctttgtttg gggacctggc | 600 |
| gttttgggtt tctt | 614 |

<210> 110
 <211> 636
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 110 | |
| caagagacca ttcacttttt tcgttttgaa gcaacaaatt tgaaaagaga aaactttatg | 60 |
| tttttccgc gggcttggtt gttttttttt tctcgtctc cgtcgaattg actctacatt | 120 |
| ttgatgtgat cttattatta ggtgaatcag ctgtcttcaa aagaacagtt ttaatttaaa | 180 |
| aaaaaatccc tcaattccaa ttcaaatttc atttagaaca caacgaagat atttctcttc | 240 |
| ttgtacgaac aaaatgctct cttaactcaa gttggaacgg ccgttccggc aacatttaag | 300 |
| ttggcaacat tgttgcatgc tgcattgatt tgagcacaag agtgtcattt acgattagca | 360 |
| actcgcggcg aacggacgtg tgtaaaaaat agccggggag aaaaaacgaa gtgcgattgc | 420 |
| cgaagaaaaa cagagagatt tcaaataata aagaaatgca aatgaaacag aagaaaataa | 480 |
| aaataaagca aagtgccgtg agttccatct cctcagtggg gtgaaatttc cagcagagtc | 540 |
| taacggcgat ttgcgaatgc cgctcaagaa gtgcgaaacc aaaacggggc ccggttaaat | 600 |
| attctcaagc gaaaatcatg gctttttgga taccgc | 636 |

<210> 111
 <211> 342
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 111 | |
| aactcaccca tagtactcgg cgaactcctc cattgctgac atgcgaatcg attagattaa | 60 |
| attcaattaa taatgtaccg ctcatcaatt tgcggccgct ttccgtgctt cacataacca | 120 |
| ttctgccgca aaccatgtgt tttgggcata aaatcacttt tccacgcaac acaggcacat | 180 |
| tgccagtgca gctgccgctc tctgcattct gtcatttgcc atgaccgcag gcaaaagggg | 240 |
| gaagcacctc gttgaacat tttaaataag tgttgctgca agcccaactt gaaacctcta | 300 |

tttagacacc taaaaatata ttggatttta aaactttgaa aa

342

<210> 112

<211> 575

<212> DNA

<213> *Drosophila melanogaster*

<400> 112

| | |
|--|-----|
| caacgaacgt ttccaccac aatgaaaaca aaacgtgcaa ccggccaacg aaatgccgcc | 60 |
| aaagtcaagc agcaagaaaa accaggttac ttggtaccac tgcgagtcct gcggcggtcca | 120 |
| cattccctcg aaagcgagag ataaccacga gggcttatgc tccgccatca gccaggatga | 180 |
| tgttgggccc gattccgagg cggagtagct tgcgagtga gcaatctata cgagaagtct | 240 |
| tcaacagcgt aatttcgagg tggagtctct gaaggatctg cccaccaagt atgccaatat | 300 |
| gctagtcttc gtctccgagg gtgcgatgca attggcacag ctacacattg gacaacatgg | 360 |
| tggtgctgga agctccatcg acggcggagc agccgctggg tagggattgt atggcccaca | 420 |
| tcagagcaat tcctcaccac agtatttgtc agcgaagggg gtattgtgtt tcacactata | 480 |
| aaaaccgctc tcaacaataa atgatcatac ttttaaacag atttcaaact tcattgcacg | 540 |
| caacttcagg aagctactca agactctgct tgcac | 575 |

<210> 113

<211> 299

<212> DNA

<213> *Drosophila melanogaster*

<400> 113

| | |
|---|-----|
| ggacagtatg tgcgagaacg aaaatttcag cacatcgcta gcgcagcagc cttgttgttg | 60 |
| ttcgtctgtc tctgtcctac aagcgtttct ttttgtttgc tgagaattaa acaaaagcga | 120 |
| tttgttcgcg ggcaatgcga atgcatttgc aaagcagggc acaaagcatc ggctgtttcg | 180 |
| actgtgattg caciaagcca tgtagtagag gtcgagctgg cgattcgcaa ttatccacag | 240 |
| gcgacgcaac acggtgctaa aaattgcgta gccaattaat ctcgaaatcc ttcgaattc | 299 |

<210> 114

<211> 581

<212> DNA

<213> *Drosophila melanogaster*

<400> 114

| | |
|---|-----|
| atccaatggc tttctgccgc gcttttttac agctgatgcg agcttttgcg taaagctttt | 60 |
| ggccaactat cgttcaatcg gaatccgaat gtgtgttaaa tcaatactgc ggcgccaga | 120 |
| taatgataca gatatgaaac ttgggatccg gaatactgga cacaaaacag aacgtaatcc | 180 |
| gcacagctgc gtgctggacg cactatttga gtgactcaaa accgattcgt ttttcgtttt | 240 |

gattcgatcc aatccaatcc aacccgattc gagtagaatc gtgaccatgt ttacctttgc 300
gcctcagcaa cagactgaat gcgaaacaca gaaaagccga agtcgcccga tttccgacca 360
gcgagaattg gaatgagtat gccaatggca atgcgaacgg aacgatttta gcggcggccg 420
taatggcatg tgaaaatgat tacatcagag tttgagtcac ttttccgca cactcgccgt 480
cgttttgccg ctacccgcat ccgcactcgg gcaaggcaaa tcgggttattg agctcaccta 540
gtgctctgga tgctatctga tccgattccg aatccgaatt c 581

<210> 115
<211> 632
<212> DNA
<213> *Drosophila melanogaster*

<400> 115
gccacgtctc ttctccgcca cctcggctag agttgccaac gatttggatt aatcgattca 60
tcattgtcgc acaatgctca ctcgataaag ttcactatcc aggtgatttg aactaagtta 120
aatgttaata tgttttaccc aaaaacacca tttttggtga acccgttgct ggaagccgat 180
atccttaaag tgaatgtatg tactttcaat gtgcacaaat acgtatttac aacaaaaact 240
ggcttgcaaa ttttattaac tgtaattcc tggttttgtc aagtctgctg cacttgctcc 300
gctgttgtaa tggctgtgcc ttactcccaa agtcaccact tacaggggtga acactcttag 360
gtgttccgtt gacgactttc ggaaaaagtt agaagaaaaa ctcgccattc gctacggtgt 420
aaaatctcca aggatttact gcttgccaaa cctacccgag atgttggtgca ttgatccgct 480
ggactcacag ctcaccaaag ctgtggccga ctccgactca aggaggtgag tgggtgacac 540
taactgcgga gctgcactac tgcgaggcgc ccacatatac gcccccggtg tttactatgg 600
agtcaaacct gaccgggagg aactcgcaat gt 632

<210> 116
<211> 243
<212> DNA
<213> *Drosophila melanogaster*

<400> 116
ggttgccgta cctgcgacag ctaacggtga agccgatagt ctgcattatt gctccaacag 60
aagtacggtc actctacaag taggcaacga attttgtttg tcatcgccat ttcgattca 120
acgtttccaa ttgtttttta aggagcttta agaatggctt tagctgaaat ctgcaagata 180
tcgaatgctc cgtacatgcg gcccaatgcc tgggtcatcg cggatgtgga ggaagagcaa 240
aaa 243

<210> 117
<211> 445

<212> DNA
<213> *Drosophila melanogaster*

<400> 117
gtttgtagtt tcagttcact ttctcggttg tttttagtagc ctcttgcggt ctccttggtt 60
ccttacttat gcatttttctg ttctcctttg tttccattaa acccccaccg aagtaagcga 120
atccagcgcg atgttggtga aatcgctgat tgcgttggtg gtcattgggg ctgccgtggc 180
ggaacaaacg cccgtctttt tgtggggagc caacaggtgg gtgagcgctt gcaccagttg 240
aatgtgagtg taacgagtg cttcctcctt ttttcacagt gtggcgaaac cctccctgaa 300
gacggtgtcc caagtggagt ttgccgagca gttggcttca ttgctggaag atcacatggt 360
cgtggccttc gaggaaaatg gcgtaagtgc ttgagcacc ctaggatag ctagggcttg 420
tgacacatgt gtttggtccc aactc 445

<210> 118
<211> 107
<212> DNA
<213> *Drosophila melanogaster*

<400> 118
ccctagtttt tcaatgcgct ccaaaatggt cacaccgagt accagctgtg acttatggta 60
agtcacggga ttttcgaaat atcgtgatct tgaataattt gactaag 107

<210> 119
<211> 546
<212> DNA
<213> *Drosophila melanogaster*

<220>
<221> misc_feature
<222> (1)..(546)
<223> n = ambiguous/unknown nucleotide

<400> 119
tgctggagaa agcagtagaa tgataagttt aggccgtatt tgcacaatta ctgagtaact 60
agtgacagcc gaacaagcgc catgtattca taagcacctg ccnnnattcg aatttaaagc 120
ggccccggag cagaagcgac gcatttcttc gccgagcgtc cgcagagccg tcggatcgga 180
tcggatcggt ttgattggat tggtagctaa aacagttgga caacaacagc ggcttgatta 240
gttggcagta aacagagcta ccgaacgcac cgggtcattca ctccgcaccg ttttgaccag 300
aagcagttcc agtattggta gccaaataagc cacagcaatg ggggtctccg ttccagcagc 360
tgaagaagct ctggtgctc taccttttct gctcttttct cgttcttcat ggtcgccatc 420
agcatcaacc tggtagcgtg gccagcattc aaggcggggg acgcggagat gccgtgaagt 480
agttggcccc gtaattaaca atgggcccac taggaccccc gggttggaatg cacaactttc 540

ctgggg

546

<210> 120
 <211> 546
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 120
 aaccccgcg agaaaaaaca tttttaccat tatgttggtg tcctcttctt tcattttatg 60
 aaatggctgt gtgaacaaga gatggatggc gcagtagtgt gaccaaatac gtgggtaaaa 120
 agacgcagca aaatactgaa acactcatga aacggccagt cggcgaaaaa ttttcaaatac 180
 gcgggggtcgt acagcggacg attttcaatac ggaacgggtc agctttggag cggagcgcgg 240
 agtttcgcat tttttgtgtt tgtagcggaa aatcgatga aaaactccaa atgtttacca 300
 aatgagcggc gacaaatacg cgaccaattg acgagatcgt gtgtgttttt ctcaattaaa 360
 cggtagtgtgt gcgatagaga tggagatgta aagtatgcag tcaaattaaa gtgcggcaaa 420
 aaaatcaaag gtgaaaaagt cattaaaaaa gtaagcaaaa tagaattgct ctgtggaata 480
 taaaaatggt acatataccc atacatccat aaataaatat atatatatat atgaatatct 540
 gcaagg 546

<210> 121
 <211> 572
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(572)
 <223> n = ambiguous/unknown nucleotide

<400> 121
 gacagtcccg tgtccaacta ttagcatat atgtcgtatt ccccaaaaac actctcacac 60
 atacccatgc gatttgctg tgggtgctg gctccactgc tnnccaagg tcgaatacac 120
 gctctcctat atcgcatgat gcgtgatagt gtttcggctg gctgataagc tggaaaattc 180
 cgtctaataga ttaatgggtc actctttttg gggtccattg tttacatctg acgagtgggc 240
 gattgaacgc ctaaagtgtg agatagtaca ggagtgtggg tacgtaaaca acaacaaact 300
 aacagctgat cgagcgtcca taaattaacc catccaaaat gctttcatta acatgggtcat 360
 tttgtaatta taacagggtc tacaaaaatt acaccgttga gaatcagaag taaaaatagt 420
 ttccaaggat actatttact catattgcaa gtaatacacc tatactatct atgcaatatt 480
 accaaattaa taatttatga tgaattatta agttttttta taagtggata ccaccaatg 540

caaccctactt taataaacta gttttggttg aa

572

<210> 122

<211> 492

<212> DNA

<213> *Drosophila melanogaster*

<400> 122

ccccgaaacg gcaatggtct gcaccgaatt tattcacttt actcgccgcg cgatttactg 60
gctttttcttc gcatttggac ttgccaccgt tgttgctcagc tacttttttca cacatatgtg 120
aacgacgcga ccgggttcgt tgcgagttct cggcactagc actgaatact gtatatatgt 180
gggaattttc ccacatattt attacgctcg ccaacagagt gcactgcgtg agtgtttgtt 240
tgtactcatg cctcagaatt gtcaaattgg agagtcttgg agctgctaaa acatcgctgg 300
ctgccacgat agtatcggtc gctaggtgcc agccggtgcc agcgatggac acacaactaa 360
atatcgaaac tcctttttat taaccctata atgcctgaaa ccaaatgtgt acatgtcaaa 420
agctaaatat gttggcccat cttagacaaa aaagaaacca taaataaccc tctggatagg 480
taacgtgaat tc 492

<210> 123

<211> 605

<212> DNA

<213> *Drosophila melanogaster*

<400> 123

ttcccaccta cgaagattgt ttacccttca tcttcggttt catctattac gtttcatttc 60
tcttttttatt tattttttta ttttgattga aaacctttta ctgcatttgg aaacataaaa 120
aaaacttcag aagtatttta aatgaaataa tagaatatat ttataaacat aattttaatc 180
aagcctttac aataaataac aaaaacacct atttagcctt ttttaaggctt cgcattgcga 240
cccagtggag acaagctata actgatttga gatagaacgg ccacacatcc accggtggcc 300
agctggattg ttactgttgc ttttgttttt gttacaaatt ttgatttttg tcttgtttaa 360
caaaaaatga taaaatcttg aacagtaaag ataateccaca caatttacta tgagcaccgc 420
cactgggaac agcagacgga agacggaggc gttgcagtca atatacgagg gcgacacgac 480
ttcaaggaat agattagcgt ccattttcag taccaagtaa gccacattgg ataaaaaaag 540
ccacaattga taatttgtat atataatgaa atttttagtat ggcgaaaggc actaccagcg 600
tcttg 605

<210> 124

<211> 539

<212> DNA

<213> Drosophila melanogaster

<220>

<221> misc_feature

<222> (1)..(539)

<223> n = ambiguous/unknown nucleotide

<400> 124

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catttttata caaacggaat tacgagcgca acgacgacag caacactagt agcactaatc      120
gtaagcgcag gggccaaaaa ttaaattgcg tttgcggccg caaagatttg atgacgtcgc      180
atacgccgtc ttctagggcg taaaaagcaa agcaaagcaa acaaacgcga aagcgaaacg      240
tgtaaacggc gtagaagcga taaacgcgac tcaaatacgc agcagataaa atacaatacg      300
cgagaagagg aaaagtcacg ggaaatattg ttcatatcc ggcgtctttc tgcgagcgta      360
aacgtgtggt gcggtgggctt gtgctttgcc agtgctgtgt gtgttaatgc ctgtgtggtg      420
tgtgtgatta agaagatata aaggatataa cggtaaattgc acgccgaaaa atgtgcagct      480
gacgccaaca catggtaaac gtacgcacag nctacaccga ctattgggaa cttcaaaaa      539
```

<210> 125

<211> 563

<212> DNA

<213> Drosophila melanogaster

<400> 125

```
agctgcgctc tgtgcgtgcg tgtgtatgtg tgtgtgcgag tgagtgtgtg tgtgctggcg      60
cgtctgtgtg agtgcggtgc tttgtgtgca gaataatttt tgcaaacatt atgtaaatgc      120
gcaaattaaa gttcaatcga cgcccgtttt gagtacgaaa ccagatcgcc ttgctttaag      180
tgccacggag ctacagtttc ttttcgtacc caatttttca aagatatact ccctcagtag      240
gcaggcacgc acacaaacat acacaggatc tcaaacgacg ccccgatat acctttaccg      300
ttaggaaaat tcaaaatggc cacgacagcg gccgcaatgg ccgcaacgag tgtagttggt      360
ctggatcgcg gaaacaatac aacctgcacc atcaacttgc acggtgagca gaatgtcttg      420
aaacaatgat aaacaacaaa tgaatagctg gcgaacaatt aatcataatt aagaagacac      480
caccagcact ttgccaaaat tttgttggtg ttatttttag cggatgattg gcgcttagac      540
tttccgaacc gaaccggttc gcc                                         563
```

<210> 126

<211> 522

<212> DNA

<213> Drosophila melanogaster

<220>
 <221> misc_feature
 <222> (1)..(522)
 <223> n = ambiguous/unknown nucleotide

<400> 126
 cttccaacaa accacgtttg aaaattgacg tttctctggt gacgtaaaaa aacatcgccg 60
 atgcgataca tcgatacatt tcgtatagag ttgcttnnnt agctaaaaat ataataaaag 120
 ttatacatct gagcttatac acgccaccga caatatacat tagatctaca tgcaagtcca 180
 tcactcttttt cgcttcaatt gttatatatt attttaataa acatcgagta ccaccagat 240
 agttcggtaa aattgtaagc tgtgatcact gcgaataagg tattaataaac taaaaataga 300
 taaattttat attattttct ttatttatgt ttcttgtaga taaaggaatc gaaggataaa 360
 ctataattaa cacaggctcc tgccccgggt taggattttc taaatgtaac tcttctgcaa 420
 ggtcccctaag gaatgtttta tataaaaaata taaaagaatc tttagtgatg cgactaagac 480
 tatgtaataa acaaaaaaaaa ccaggatgga atgctatagc cg 522

<210> 127
 <211> 592
 <212> DNA
 <213> Drosophila melanogaster

<220>
 <221> misc_feature
 <222> (1)..(592)
 <223> n = ambiguous/unknown nucleotide

<400> 127
 gttctgagcg cagcaatagc agcaagaaga ctaccaacaa agagcagagc gacaaatcag 60
 cggagagcag gatggccacc agcgggtattg tcgagtcatn nnctgggtgcc caaggcggag 120
 acggggagtcc tgaactttct gcagaagtag ccggagtacg atggacgcga cgtcaccata 180
 gccatcttca tccggcgctc atccccgggc aacgggactg gaggtgagtt ggcacttttt 240
 cgcactctct ataccgggta caaagaactt gtacagttat tcttccaata ttacaatat 300
 ttcgtcttac ctattctatt acgatttaac ccttctactg tgtcacgact gcttcttact 360
 cccgtttctc attataaccg atccaatttc aatctgctcc tacgcaacag acgctgtgcg 420
 atggaaagga ccgttaaagt aatagagcgg tacgactgtt ccggatgcgg cggacgtgga 480
 catgaagaag aaggtgacgc cggacgagaa cggcaacatt aagggcctgt cggaaactcg 540
 ctcagctgaa tccggactga tggctctgac acagatccgg aaaagcgggtg cg 592

<210> 128
 <211> 551

<212> DNA
<213> *Drosophila melanogaster*

<220>
<221> misc_feature
<222> (1)..(551)
<223> n = ambiguous/unknown nucleotide

<400> 128
ccctggagtt gcgaatttta acgtttttgt tcggttgctg aacgttttgc gcttgaaaat 60
gccagttcgc agcgcttggg cgcgagaagg tatgatgnnn atgtacctct tcaccaaggc 120
gaatctcata cgcttcctag ccggcgcgat atgcttggtg ctggtgctta actttgtggg 180
cttccgtcga cggaggttagc gccacctccc tcagcaagct caggtaacta aatctatcat 240
attgccttgg cagaggttat cttatcaatt atttttggga acggatatta gcattcggcg 300
cgtgcacaag tatgctcata tctacgggaa cgctagcagc gatggagccg gaggcagtga 360
agcatccagg ctgccgcttc cccgctcgcc ttatcaaaag acagagagcg ggaccaggag 420
ctcaatggcg gacccaactc taccataaga actgtgattg ccacggcaaa ctttactttc 480
attccacaag acttaacgcg ctttctgctg ggcacaaaga aatttttgcc cccgcgacag 540
aatccacat t 551

<210> 129
<211> 492
<212> DNA
<213> *Drosophila melanogaster*

<220>
<221> misc_feature
<222> (1)..(492)
<223> n = ambiguous/unknown nucleotide

<400> 129
gaatattgca aacaacacca acaacaaca gaacaacaac aaaacaaaaa gcgaaacagc 60
aaaaaataaa taaatacgag gaaccagttt accttgaggn nnacactcac actcgcactc 120
gcattcacac aaatgaaaca gcccgatctt actcttactg cgagtacgga cacatagtgc 180
acatatagtg catatagtgc acagcacaga gcacagagta gacatagtga ccaccacata 240
atttcgtgat aaagccacag agaatcggag cgctccgcct tatcggcaac ccaactgccac 300
tggtccggct actatgctcc agcggggatc gggacatcat cgctgggata gagacacagt 360
ggacaccaga actgggatgg cagttgcagc ggcccaaac gcattgaaag atgatagcta 420
agcccaacca ggccaccacc gaaccacat taagcttgcg ccccggaac agtgccaaac 480
gggtttcagc aa 492

<210> 130
 <211> 602
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(602)
 <223> n = ambiguous/unknown nucleotide

<400> 130
 cagcggccct ataaaaattg ctttttgtgg ggctgtcagc tcagtcagcg gtcattcat 60
 cactttccga cgcgctctag agtagctagt agacctttnn ntattacgcy tccccccgaa 120
 attgccccgc cgcccgaaac gcaatagcat tccgcaaaaa caatacgata agcagcaaca 180
 agtgttcaag attcccttga aacatacaca gaatctaaaa ctccattgaa attggttctc 240
 agttgttttg tttaccagc aatcagtgcc caagaacgtg gcacatttcc aactgtgggc 300
 gggtaaacia ttgctgcgca acaattaaga aaacttgctc gccctgtctg tgtacacgcy 360
 aataaatctc gggagtacia ttccatacca gcccgggtgac gggcacggaa aagcagctct 420
 aactgtgcaa gatgattcca ggctatggac ccgtcacgca ggctctgctg ggcaccctgc 480
 ttacctgggg actgaccgcy gctggcgccg cctagtgatc ttcgtcgggg taaccagcgy 540
 aggtctctgg acgccgctg ggattcgcag ttggcgtaat gatagcagcc tcttttgga 600
 tt 602

<210> 131
 <211> 558
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(558)
 <223> n = ambiguous/unknown nucleotide

<400> 131
 gactaacggc tctccgctct cgccagtcgg atcggctata aaagcgggtgc gatctcagcy 60
 agcgccggtc atttgagttt cgcgggttca ggtgttttnn cggctcttcg gctctggaga 120
 aaactactcy catcgaattg aattgaatct ggggaaaatc agtccgagtc ccagctacac 180
 agttagtttc acttcccagt ccaactataa aagtgcgctg cagtcccagt caaacaactg 240
 cattcagata caaactattg ccaattgcat tttcatgagc taactgtctc gcatcgcytg 300
 tgaaaagtta caaacaacac aaaaacaatt gccaacggtt aatgtttaat gtccaggcaa 360
 ttataaaaag caattcgatt gtctagctta cgcaaggcca actacaatta ccaataaata 420

cgacgaataa agcagcacag aaatcccaat ttggatttat taatagccgc tggataaaaa 480
aatcataaaa caccaacggt gcttgtaaat accaaccaat ggtaagtatt ttttcggccc 540
caaaggtaac ttcaaaaa 558

<210> 132
<211> 541
<212> DNA
<213> *Drosophila melanogaster*

<400> 132
ggtggtacta agcgcgtctg ggaaatgcaa ttagtgatgg gcgatagttt tgctatcggg 60
tggcatcttc caagcggtaa tcgggggtcgt gattttttcta gtagtcatat tcctgattgg 120
aatccttgct aaccaatcaa actaacacat aaatatattt tttacgaata tatttacttg 180
tgaaacaaag ttatttcctt gcaaaattct actctgcaag accagctatc gctgccagca 240
gcaactatcg cacctcgtgt cagccctggg aaacagctgt tcgcgcataa cataacacaa 300
taacaacaag ccttcaaatt tattaaatct tttatcttta ctgctgactg cgcgctttta 360
atcgcagcgc ccgctttgaa aacccccacc gactccgata aattcagttg tgcccaagaa 420
atcagacgca gcaggccgcc aaagggccaa ttacgcgctt cccaaccact ggctctacaa 480
gcaacaacaa caacagcagc acaccactgg accacacaca tcatctcatc cattttacaa 540
a 541

<210> 133
<211> 494
<212> DNA
<213> *Drosophila melanogaster*

<400> 133
gtgcatacat acaaatgcag atatgcatgg caacaagagt tacatgactt tccggtttta 60
caggtttgct gcaaagcttt cgctctctca ttcggcgctc tctctctctc tcacacactc 120
tggcacctgc ctaattcgat tagccgcacc gctcgaacgc tcagtcttca aagagatctc 180
gaccgagcaa caagtgaacg gaagaatccg agcagtgaag aatcagaaag accgaggaaa 240
cactcgagaa ctctttaata acattgtgaa ccaaaaaacc agaaacagcc actgaaaata 300
cacggaaaagc agagtgattc gcatagtttt gctagtgttt tcaagggcac ccatcatacc 360
agctgtgctg caaattttgt gccaggtagt gaatttaaata gaaaggccaa gaaaccacga 420
attatattga aaatttccat tatctagaga tcggtcgaga acgtacgcct gcaagacgta 480
ttctggcaga tttt 494

<210> 134
 <211> 606
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 134
 gctcagtga aaaaaggata aaaacgaaga caaagtaaag cggagaaaag tagcaacgaa 60
 aaaagaacca gagcgccact aaaccgggttc gcttttcttc tcttttcttg ctgctccaac 120
 tctcttcgct gattctctcg gtctccagtt ctgctctct ctctctctct ctctctatcg 180
 ttgcggttaa ttaaaactcc gagaggcgtg cgacagttgt aagttgtgta ttaaaaagtg 240
 gtaacaacaa caagttagct agcgtggcca attagcattc attttccgca aagagcagcc 300
 gcggcacaca gcttttctga ttagaaattc acagtgggca ctggaagtgt gtctgttgta 360
 aacggatcct cttggatttt atacataatt cattagaccc ctttgggtgct gcgttagctg 420
 tccattctt cgatttccgg tacttacaat ttttgccaac tgcgcgggtg gtctctttct 480
 atctctctta aataggtgaa aactaactgt ggtaactgtg caattaacta gtgagagtaa 540
 tagtttaatt ggttggcact tcgcgtcttt tatttgtgta tgcaggctgg aattaaatcc 600
 cacgag 606

<210> 135
 <211> 570
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 135
 gctgggaggt tcacaatttt tttgggaaac acaacaaagc ttcacaaagg acacgatgct 60
 cgttctggta ctggcgacc tgcacatccc gcaccgggtg agcagcctgc cggctaaatt 120
 taagaagctg ctggtgccgg gccgcataca tcacatcctg gccaccggaa acatctgcac 180
 caaggagtcc tacgactacc tgaagtccct ggccaatgat gtgcacatag tgcgcggcga 240
 cttcgacgag aacctgacgt atccggagca gaaggtggtc acggtaggcc agttccggat 300
 cgggtctgtg cacggccacc aggtgggttc ccgcggagac ccggaggcgc tggccctcat 360
 ccagcggcaa ctgggacgtg gacatcctga tcacggggca cacgtacaag ttcgaggcct 420
 acgagcacgg caacaaattc tacatcaatc ccgggatcgg ccacgggtgc cttcaacca 480
 tggacaccaa tgtggtgcct tcgttcgtgc tgatggacat tcagacacca cgggtggtcac 540
 gttacgtgta ccaacttgat cggcgacgag 570

<210> 136
 <211> 236
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 136
agccgaaaga tgactttattg acgagcggat gaccatattt cggatttggg aaaaatccag 60
ctgtgctgca aacgaaaaat accagctgtg aacgtttttg gtattaatat ttaccaaata 120
aataaattta tattttatttc gaaaacaatg aaaattcctt aataacatta cattacttct 180
ttattaggag tgcttaagta ttctttttaa taatgaatta taattaatat tataat 236

<210> 137
<211> 526
<212> DNA
<213> *Drosophila melanogaster*

<400> 137
gctcaaactc ggcgctcaca ttacgcacag tggctcgagaa aatgatagat gctgcttaga 60
tggcaactaa atattttaat gggaaaaatt atgtatgcta gtgttttgtt ttaaatttct 120
caaccaataa agtaatataa agaatgtaaa ttaataaaaa cattgtattg aacgaagtgg 180
ttcaataatc gtatttgaat acagaataat ttgtacgaaa atatttaagg tgtgaactac 240
tgtgcggaat caacttgttt gttccactgt gactctcttc gacgattggg tgttgccaga 300
ctgaagtcgc tacgactatc gcataacta acgtagagca ctgcagccct ggttgactag 360
tgccgccctg gtccgattgc cagaaaaaaaa caagacaagt gaaaaagcaa gataaatcaa 420
attaaaaata ttgtaaaaaa ttggagttaa cacgcgctga gcacggtgac tgaaaatgtg 480
atgaaaccat catagagaga gacagcgaga ttggtggccc caagct 526

<210> 138
<211> 391
<212> DNA
<213> *Drosophila melanogaster*

<400> 138
ggctagtgtg tttattttta tattagcttt gtgacgttcg ctcaccaaata cagtattttt 60
cgtaccatcg gcgttaaaac acatgttcag cgatttagtg cgggagtgtg aactaatctg 120
agtaacaaca acagcatcgt cggcaaagca acaacaacgg cagcagaaaa tttaaacacg 180
ttgacgcttt ttctagtgtt tatagcgagc ggaaaagctt actaagcgcg taacaagcga 240
gaccccgaaa tcttttttca tctcgggtctt ttcgcctttg cgtctttgag tgtgctgccc 300
aaaattcaaa tacgtcatcg acgcgcgcag ccttaaactg aaaaggaatg aaataattga 360
tatacacaaa tgccagcgaa agattgaatt c 391

<210> 139
<211> 458
<212> DNA
<213> *Drosophila melanogaster*

<400> 139
 cgctcagtgt agcgcagctg ataacgggcg gcggagtggc gacctaaaga cgcattggacc 60
 gcgcaggcag atggaaacag ttgcgaccgg ttgcctcgag tgtgcagtag atgatccagc 120
 ggcaggaatg gcggccacga tccagaacac cctgaagggtg gcgctgcgaa agcgcattgaa 180
 ggatgcactg aagggcatcg acgcggaggc catcgcccgg cagtcgcagg ccgtcacggc 240
 caaggtaaca ttggtttggc tgggccccaa gggtatcaag ttaatccca atcctcctaa 300
 tcggctcgat cgcacagggtg ctgcaaagcg agaccttcg gcaggcgagc cgggtaagca 360
 ttacctgag cacagcctcg gactggacac cagcgcttg tgtcggagat gttccgctgg 420
 agaagatggc ctttgtgccc actacgaggc acaggatg 458

<210> 140
 <211> 527
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 140
 gccacaatcg tgcgaaaatc acattttacat acatatatgg gttatgagta gaaaacgaag 60
 agcaactcgt cgccgtatta gtcacgaaac atcgagtcg gggaaattcg ggtagaatg 120
 tgctcatcca tagttgtggg aaaaataact aaatataagt ggtatctgtc tataaaaaag 180
 accaaagttt tcacatagtt gtgtggcttt tgagattaaa catatatcat atcacatcaa 240
 ttgaactcgt ttttatccac tgtacagcca agtatcaaca actcatcatg cgtaacattg 300
 ggcaacgcgc gatgagcaag gccaggcaat gagtagccgg ggcaaataaa atttccaaac 360
 cttggacatt gtggagtttc aactccgcca acattgtttg tgtattttat ttaatatacc 420
 tatctatcta tcccagcacc tcgggcagac atattccttt gtgcacacca tggcgattcg 480
 aatggcgctc ggctttgtcg acaggatccg cggacgacac ggccatg 527

<210> 141
 <211> 483
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 141
 ctccagagac tggcgacact cttggttccg ccttggctga gcacagaggc gggtagagt 60
 gctactggct ggcagtgcg agcgcttctt ttgtgttgct ggcgtaggcg tgacgccatg 120
 ttgtgaaaag tgtctgacag aaagtggaaa attcgacagg aaaaactgcac tcgaaagtcg 180
 tggaaataaa gagcattgtt aaaacaatcc aagtgagttg tgaaaagtgc aaactttttg 240
 gccagtgatt gtgtgtgtgg cgaaggaatt acgcaaagt tgcacaggat tttccgtttc 300
 cattgatttc gctgggggcg tgtgtgtata tattatatac atatataat ttttaattgcg 360

tgggaggacg aagcggagcc aaaatatttg cgtacaattc atttgcaact cccgggattc 420
 actaattgga catggactga tgaattgggt gtgggcctgt tgaacaaagt acctcgggca 480
 ttt 483

<210> 142
 <211> 430
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 142
 caataaacta attgttttaa atgtgacaac agtgaaccaa atgcttgctg agtaataaac 60
 caaaggatgt tttgtttttc taaaacgtgc caattgaatc ggctccacgc aaatgagagt 120
 gtgggagtgt ggtctgaaaa caatggagct gccgtaaaga attgattaaa caaaatagtc 180
 gagaagagag cgcaaaatgc acaaaatggg taaattattc ctcaggtaat ttcagtccca 240
 acaaaaacaa catgtgccag attgctttcg tgctcttatt gctgttggtg tagttctaga 300
 ctctctcttt gcgctttaat attatgaatg acgtaagcgc gcctctttgg tagcaataca 360
 aaagcaataa caacaatttg gttttgttgc ttttgtaaac aaggaaaata acagaatggg 420
 tttgtcctgt 430

<210> 143
 <211> 272
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 143
 gaacagaact agcaaagacc cacttgatcat agatgcgtac gagatcggtta accaaacaac 60
 aatcacgttc gcaatcgacc agaaagacac tgaaaatcga accgaaatca ccccgagctc 120
 ggcgagcggg tagagttgtg taacacggac ggacggggccc aaaaaaaaaa gaaacgtgaa 180
 ctagaactct gtgtctctc cgctgggttt gttgagtttt tggcgagcag gtgaaacaaa 240
 agcatggcgc ttgaaacgga ggcgaagaat tc 272

<210> 144
 <211> 489
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 144
 gctccgacgg attggtgctg cgctcgggtga aaccccgcgga aaacgggtggg gcggagggtg 60
 gggtgaatgc caacacgccg gacgacaacc aggatgcact ggacaaccta aaggaccagg 120
 aggacaatat cgacgatggc gactccaagg aaacacgact aacgctcatg gaggaggttc 180
 tgctgctggg actcaaggac aaggaggtgg gtgtgctcct tatctcatat ctgcttggga 240

| | |
|---|-----|
| tgactaatt aattggtttc tttcgcaaca taagtgttc ttcttcacct gtttaaccga | 300 |
| cgtctctctc tctctgtcgc tctcagatt tctctctttc gcaacctctt gcttggccca | 360 |
| agtgaaccg cagtccatct tccagcaggg gccgtagtga aaattggata caggggggta | 420 |
| acttatcact ttcagttatg gggcaaccaa tggttatctg tctacagata acatttatga | 480 |
| actttcgat | 489 |

<210> 145
 <211> 463
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 145 | |
| gtcgaaatcg aaccaatgac gtcgcgaatc tgaggcgaca aagagcagcg ggaggaaagt | 60 |
| ggtcgccccaa acgaccgtat tgtgtcagcg taatcagtat tagaagcatt agcagtccgg | 120 |
| attggacaca ccagtcaaac gaacaccccc cactgaccga cacagaaaca tgtgctagac | 180 |
| ctctctgaaa tgggatcgcg tatcaagtga gtatgcccat gccgccagc gccagttcgc | 240 |
| agcagcagtg gccgttgccg tccactggtc gctatcgccg cgctctcact cccgcgactc | 300 |
| atcgcccatt cctcccgtc ctccccccag aaatggacgt gaagaagctc ttcgagttct | 360 |
| ggtgcgaggt cacgccgacg ccgggattag agaggggcac gagttccagg agcggcggcc | 420 |
| agctgttccg ccggcggtga tcgtggagag cttcccaggg gat | 463 |

<210> 146
 <211> 506
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 146 | |
| gtgcagccta agatttcagt gcatcacggt ttattacaaa taaaatgggc agagatgaag | 60 |
| atategctaa caaacatcgc aaccttaata cattattcat ccaaaatatc ccgacaaaat | 120 |
| cccattaata gtgcaaactt tttcacacaa attacctttg cttttcatgt catttaatta | 180 |
| ctttgttata ttttcccttg cagtcgaaac atagcaactg cgactacttc aaaccaaata | 240 |
| acttgatcaa tatccggatc aagatctgga atacagagtc cacaatggag cagctatttc | 300 |
| agaattaccg cgacgatgag cgaaggatcg gcgaggagta tctgtcaagt ctccaggacc | 360 |
| tcaactgcaa cagcaagcca ttgatcaata tgctcacgat gcttgccgag gagaacatca | 420 |
| actacgcca cttcatagtt aaagggtggtg gaatattaca tcagcccagg ttaacaaaca | 480 |
| aaagcgtatt tacttaaaac caagac | 506 |

<210> 147
 <211> 445

<212> DNA
 <213> *Drosophila melanogaster*

<400> 147
 gcttcaccaa aactgagctt ttctccatgg cgccgccgat caaaggcggc gaggctaaag 60
 tagtcgaatc tgaatcggtc ttgtgagtag gcgctttgaa accgttaacg gagactgcgt 120
 atatactcaa tggtatttta tattgcacta taataaaaaac cacgtgacgc ccaattcacc 180
 gcaaaaatct gtttttgaag tgctgctgct agacaccgct tatttgctcg tgcttggtt 240
 ccaaaaattaa attaccaaaa ttaaaatacc ataaataaat aagaaagcga aggacaatgg 300
 ccaccaacct gcaaaaggta agaaaggata ttcgagactg gtatcagtgg catcgccctaa 360
 caatgcttca ccaaggtttt aaaagtttgt gtttcgccaa ttttgcccct tacctttcgt 420
 acaatgctct gtattggtgg ggctt 445

<210> 148
 <211> 509
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 148
 ctcaaaaacta attaagtggc gtttcatcag ctgttttctg gattagtcta gggttgtctc 60
 attgcatgaa atatcgatga taaaaaatt tcaaaattta tttagtattt gaaactatta 120
 atattaatat ttttcaagt acaagctggg aagctaaaca taaaattgtg cagtaaggat 180
 tcgatttatg gttaagaaa agaaaactac caccataa ttgcattaga tttaccctaa 240
 atttataaaa agtgaattga cgcactcgac agccctgatt ttcccatagt tttcccatca 300
 ccaaaaatgg cggcaaatcg aaacagtttg cggccgggca taaaacccaa tgtagctgta 360
 tttcccagat catttgccac acaactttca aactgtacac ttaatacacg tcgtgggtta 420
 agtgaatttt accagagaat cagagaagcg cccctacctg ctaataataa tccattcaaa 480
 acatctcaaa tggcgtccaa ggaaacatt 509

<210> 149
 <211> 490
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 149
 acccaacca aaaaaaagag aaagaaaact gaacgaaaaa ctcccggaga aaacaacaac 60
 acacaacgat aaactgcaaa agtaaacaaa ttgcgccgaa actaaacgaa tttcggaaaa 120
 ctgcagccaa cggaaaaaag gtcagtacac agcgattgat tggccggaaa attaactaaa 180
 ttaaagtaaa aaccctcgag tgccaaagtg gtgttgagca gcaaacacct tttaatagtc 240
 ccccatgtga ccttcaccca tggacaccct cgcaaatgg tagcaccaaa gtcgggctag 300

cagttaaccc ttacccttga tcaccgttaa ttggaccccc ctctcagac tatcatggtc 360
 atggtcagca gggttgtgaa aacgggtcat ttattggagg gtgcgttacc ctttgcatta 420
 tataaggcac gaaactcttc aatgaaaatc taatttcaaa gggattttaa cccctgtaag 480
 aaaaaaagta 490

<210> 150
 <211> 522
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 150
 cgccgaattg aacgcacgta gcggaccgga cggatatcgc atcttccgat cggaaaaatc 60
 gtacagtgca gccaattcgc cgtctacaga aatctattag cgcgcggtgtg ttggtgccag 120
 tgcggtggca aattaaaaca aaaaacatct gcgaatttga atacgcaa atctcatgctca 180
 ctaagagcgc aaaagtcata gagtgcagaa tagtgaattg aagaactttt ggacgcgcta 240
 agagtcgctc tccatcccca tctctctctc tctctcttgt gtgtgcagtgt ctagtgtgtg 300
 cgagtgtgag tgagacgggc aaacaatttg ccgctaaata caaaaagcag ctgagaccag 360
 ctgacgcatg tgtatgttcg aaatacaatt aaagttaaca ggctataaat aaattgcaaa 420
 tgtttatgta gccgtcaagc agcaacagta gcagcgcaac aacaaaacca cgtggcacag 480
 acattttggc cacgatagta agcaaatacc caacccgatt aa 522

<210> 151
 <211> 590
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 151
 gtctagttta gagagcatca ttaccttcga ctttaaatta tcaccaatctt atattccaac 60
 gaaatacgcg tccgttcaag tcgaacagct ttctgttagt cagtgtgacc gtggcggagc 120
 gctcttataa cctccgattc gccaaaacaa gccctaaata tgccagcaaa agtcagcaca 180
 gcaagagaac tttgataagg agcggaaactt cggtaaccgc ctttcaattg cacatttcca 240
 ctagatgagc taacaccttg ttccaactga gccacattaa gcacatcttg cagataatct 300
 ctaaattcct ttaaaatcgt tatattatta agttttacta cacattattg ctaagtgtg 360
 tagtatatcc gatgttattc aactagtttc tcatattatg tatgggttcg ctttaaactt 420
 gtttaatatg aaattaataa ttttttatca atagacctca aaacctacta ttcaatttga 480
 acctaggtac tttttgggaa atctctacca ctgcagcaac gcttttctta tcgccgctaa 540
 attcagagct taaatctacc agacttttcg cgataggaat gccctataaa 590

<210> 152
 <211> 411
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 152
 ggcaagacag tttatattaa ttgtttacct gtgcaacaat cttttgttcc gcgaacaaag 60
 actatatttg caattgatcc cgccgacata atcataaaag ggtaagcaat acgctgcaag 120
 gccactggca ttgcgtcctc cgcttactaa cgtttctac taactttctt cgctgcagct 180
 ggagtcgggc cctagacatt tcttaatggg gaaaacagca tagccttcta catatgccac 240
 cggctctcca tgagcattat caagatgagc ttgcacacac gggcgtagt gttctccacc 300
 ttctttggca gctgcctggc tattggcctc ttgctcgtca gcatgaccac taatcactgg 360
 gtgcggggcca ctccacgccg caagaactcg tcggacgcc aagggtgaatt c 411

<210> 153
 <211> 561
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 153
 ctgcgcgtgc taagctccga gttgctaggt ccagaaccat actttttaga tactgtatcc 60
 aaactccggg caatccgctg ccgctttata aacaaacagt taaacaaacc gaccgctcga 120
 acgtcgccgt gtgtgtgtgt gcctgtgtgc ttttcgcctt cattgtgctc tcgtgcaaatt 180
 gaaaatttca ttgagcagaa agtcgcagca gcagaagcag cagcagcagc agtagaaaag 240
 tggaaaatcc taaagcggcg ccagcctcag caaaaaaaga aaataaatta aaaatctcgg 300
 ctagtgaaat ttcagtccag aactagacgc cgcaattaag ccaaatacag accgaaccac 360
 gacgagtcaa tcgctggaaa actgccaaaa cagccacgcc aatcgattgc aggcgttccg 420
 caaattgaag ttcaaccggc gcagcttgta ccgctaaatc gatcgacaaa gatgcagtgc 480
 ggtctggagc agatgaacga ctgtgagcgg tcggcgaacc ggacgaacct acgggtcaac 540
 tttaacgaaa agggggcgga a 561

<210> 154
 <211> 49
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 154
 gtccgtcaca caacatggac gactctcgc cacacacacg ggcgaaattc 49

<210> 155
 <211> 489
 <212> DNA

<213> *Drosophila melanogaster*

<400> 155

| | |
|---|-----|
| gtctgaagcg tcatccagag ttctggaagg cgctgtggaa gaacatgttt actggtcgtc | 60 |
| tcatatcggg gattccggag gcactcaagc acctgggagc cgcgctaatt gtcgcggg | 120 |
| ccaaactgac agtcctggat ctccagcgaca atgccttagg accgaatggc atgcgaggct | 180 |
| tagaggagtt actgcgatcc ccggtctgct actcgtcgca ggagctgctg ctgtgcaatt | 240 |
| gtggccttgg tcccggggg ggtagtatgc tgtcccgggc tctgatcgat ctgcatgcc | 300 |
| atgccaaaca ggccgggcttc ccgctccagc tgcgtgtgtt catagggttcg cgcaatcgtc | 360 |
| tccgaggatgc cgggtctacg gaaatggcaa ccgcattcca aaccctcaag acttcgagga | 420 |
| agattgttct ggagcaaac ttcatttaca tcgaaggcgt cagggccttg ccgaatcttc | 480 |
| aagcataat | 489 |

<210> 156

<211> 450

<212> DNA

<213> *Drosophila melanogaster*

<400> 156

| | |
|--|-----|
| attggaccca atggcagtgg caagagcaac gttatcgatt ccatgatgtt tgtgtttggc | 60 |
| tgccgcgcca atcgcatccg ttgcaagcgt gtctccacct tgatccactc ctcgcttagt | 120 |
| tatcccaatt tacgcagctg ctccggtcgcc gtccacttca agcagatcgt agacaagggc | 180 |
| gacggcacat gcgaggacgt gcccgaactc agcattgtta tcgaacgcac tgccatgtcg | 240 |
| gacaactctt cctactacca gatcaacgac aaacggggcg agctcaaggg atgtggctaa | 300 |
| gctgcttaag aagcatcatg gtgggatctg gagcacaatc gcttcctcat tctgcagggc | 360 |
| cgaagtggga gtccattgcc atgatgaagc caaaagggca gactgaaatg aaatgggaat | 420 |
| gttgggaatac tggaggatat tgcggaaca | 450 |

<210> 157

<211> 349

<212> DNA

<213> *Drosophila melanogaster*

<400> 157

| | |
|--|-----|
| cgtgagagtt tcccaatttt gtacgtcgaa aaatcatacg tttattatca caaaatctat | 60 |
| agagagtgtc ctgcgtttac cgacatttaa tatatTTTTT aaattcctcg tcgcagaaga | 120 |
| caaacaagat ggcacagagc aaattgaacg atcttgccgg caagctgggc aaaggtggtc | 180 |
| cgccgggatt gggaatcggg ctgaagggtc tggcccgccg tgggagcagc cgcttatgga | 240 |
| gtcagtcagt ccctgtacac cggttaaggat aaagccgata ggataaagcc acccgatttg | 300 |

agggctaata gcataaacac gggcaatagc ggcattgtgca catacctca

349

<210> 158

<211> 511

<212> DNA

<213> *Drosophila melanogaster*

<400> 158

cttttgggctc tcacgccttt tctgctctct cctctctcga tttaaaactt gtaggacttg 60
tttcttgagc ttttttgca aaacataaaa accggtaaatt tttttttcga aactgcaggc 120
agagaaaaga gagcgagctg tgttggtgtt cctgtattgg cattttttac cttaaccata 180
tttttcacac actttgcttt ccttacagtt ttctaaacac acacacatac agaaacgaga 240
agagccaacg aactcgcagc gacgccaag aatgaaagag agcaaggcaa catgaaaatt 300
acagcaacaa caactggctt gccgaagaag ttgtaaaaga cgcaagagca gaagaagaag 360
cagccacaac agtatttttt attagcgggg tgtttttgtt gtcattgtat tatgcacact 420
tttttcgctc cacactctaa tataagttga tegtgtgtgt gtgctggtgt aattattgtg 480
atgcttgat atattgctgg tgtgctatcg t 511

<210> 159

<211> 492

<212> DNA

<213> *Drosophila melanogaster*

<400> 159

ggaccgcctt tcataacgta gtaagttttc gttgcgaacg gacgtagccc aaccaacttg 60
gccttaaccc ttgcgctccc tccgatttat tccgcggcaa acacattcca gtggacagtg 120
gtgcagttca gccaagacc aacctacatt ttagctccct gcaaaccctt ttcttcatca 180
aataactatg gctccaacc gtgcagcgaa gtctggtttt gccgccgagg ccagcgcaa 240
agtaagtacc aaatagcaac aacaaccgca cccccaccc aaaaaccgaa gagcgccaaa 300
caaaacaaca caataaaca attgccaaa aaaaatcaac ttttgacgg gtgtgtgcgt 360
gagtttagag ctgcattgac tttatttggc gctgcgttgt caagatttta tcttcgcgcg 420
ccaaatgcc aaaaattagc aaaaatggc ttgaaattgc cagcgtctaa caaggaatga 480
ctcatttcgc tg 492

<210> 160

<211> 580

<212> DNA

<213> *Drosophila melanogaster*

<400> 160

gtttggcgt ttgcagggcg ccaactacga cgggtggcata gaagttgatc tgggcttgca 60

gttggtgggc tcgaggaccc agttccttaa ccgccttctg ggtacttttg cagatgaagc 120
 cgaggaaggc gggattgctg gcggctctgt taataatagc agtcttggct agcggaacgc 180
 caggacgctg caacggggcg agccagtacc agtcgccatc cgatgaccgg agcctcatgg 240
 tcttaacgat ctggacaaag atcattgtct cgtgataggg cagaatcagg gccataactt 300
 cgctacgggt atactcgtga acctggaatc gtcgcagcaa ccattcgaag gccatgtgtg 360
 cggggcggag cagaaggtac ggcgaaagaa ggcgagaaa ctttgcaatg gccgcgtcca 420
 gcatcttgtt aatctccggc agctccacgg aacgctccac gtcaatgtgg cctcatcgaa 480
 caacgtttagc tggaaactct tgaagccgga ttaaagtcgg tcaactcctgc agtcccgtac 540
 ccgactcata aatggaccgc catccttggt ggccgctctt 580

<210> 161
 <211> 494
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 161
 atacggtctt tccaacgtgc ttgagcttgg tcactctgcc atcatcgtgc gaattaaagt 60
 tcagcagcca aaaatgccgg aagggaataa aatcgacttg tccggggacg gtggcgtcct 120
 aaaggagatc ctgaaagagg gcacgggcac agagacgccg cacagcggat gtactgtgtc 180
 cctgcactat acgggtcggc tggtcgatgg cacggaattc gattccagcc tcagccgcaa 240
 tgagcccttc gaattttcgc tcggcaaagg tgagtgtgtc gccggcaaact tcgcgaaact 300
 tctatttaat gtactcctgg ccaccggaca cctgcaggca atgtgatcaa ggccttcgac 360
 atggggagtt gccaccatga agctcggcga gcgcttgctt ctaacatgtg ctccaaactt 420
 acgcttacgg agctgccggc agcccgccag ccattccggc gatgctactt gattttgagg 480
 taggaatgaa attt 494

<210> 162
 <211> 224
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 162
 gctccagcga taacggtact ccaatgtgct ctctcgacg cacacagaag catcccgcac 60
 acgtacacca ccaccactgc caaaaagcaa atcctgcccac acagccgcac ctataaaaagt 120
 gggcgtgggt agaccaagt tactgtaaca aatttgcaaa aagtgatgca tgctaattgt 180
 ttaaacaat cccagctttc ctaatcaaat acctttgcga attc 224

<210> 163
 <211> 541

<212> DNA
 <213> *Drosophila melanogaster*

<400> 163
 gcacagccaa aactgaagat tacatacaat ttacaatggc cgacgagagc atcacgcgaa 60
 tgaacctggc ggccatcaag aagatcgacc cgtacgccaa ggagatcgtg gattcgtcct 120
 cgcacgtcgc cttctacacg ttcaactcgt cgcagaacga gtgggaaaag accgatgtgg 180
 agggagcctt cttcatatac caccgcaacg cggagccctt tcacagcatc ttcataca 240
 accgactgaa caccacgtcc ttctgtggagc ccatcaccgg cagcctggag ctgcagtcgc 300
 agccgcccgtt cctgctctac cgcaacgagc gctcgcgcac ccgcggcctt tggttctaca 360
 acagcgaagg agtgcgaccg catcagcggc ttggtgaacg ggctgctcaa gtcccaagga 420
 tcagggaacg aatggccagg cccacgtcac gtcttccgcg cccagcagca aagcaggaca 480
 gcagcagccg gccagcatat tcaacatgct tgaccaaggc cagaaggact acatgcccaa 540
 g 541

<210> 164
 <211> 497
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 164
 atcgagttgg cataaaagaa tctggtcttc gtgtcgtggt attcattcct taattgcgcc 60
 ttgtttaatt tgtgggtgac ggaaatcgga gctcggcgac atcgccagtt gtgcaatact 120
 gactccagcg gtatctgtta atccccaacc acttcgcaaa cgtatcttct ttgccttgca 180
 gatttgctga ctttgtcgtt cgagtactca gcgtttaacg accacaatga atcggcaggc 240
 gaaattccta atcttgtgcc tctttgtggg cctcttctcc gcgaatttgt gcgaagaagg 300
 tgagtctttg atcaaattac accgaattaa aatcgaattg aagacacgcc gaacactcat 360
 ttctcaatta tgcactcgga cacacacaca cacacgcttg catgtgcatg cgtaccgtgt 420
 gcgcaaacc ctcgcgtgtg tgccgcgctg cgggcatgtg ggtgtgtgtg tgcataaatg 480
 tgctgtgtgt tggatgt 497

<210> 165
 <211> 523
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 165
 gcccgagaa acaccacga atgactacca aatcgggatt attgggtgat taggcttaat 60
 tgggtggctat ctactgatg aggcgatggc cgtcagttgg gcaaggtagt aatgcaacac 120
 ttttcacaca tctttgtgtt tttctcgcgt tttttgttt aattacctgc tcgaaaatga 180

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| aatgtatcgt | attttataaa | tatcgataga | tatcagtggc | ggtgtgcccg | ttgatggtta | 240 |
| gcacaaaaac | accatccggc | taagagatgg | cattttgcgg | tataaaaata | ccagataaat | 300 |
| gctctagtgc | ctagttttaa | aaacattgcg | taaaatctta | aatattatta | ataagtaata | 360 |
| aattagtcct | tgaaatatat | gatcattcac | aattacaata | ataacaacaa | aagggatata | 420 |
| taaaagggca | ctgtaagaaa | agtcgatgag | taaagtctga | aacgccactt | atcgatatca | 480 |
| ccatgactat | gtggcagcac | ttaattcaaa | aaaagggcgg | cct | | 523 |

<210> 166
 <211> 414
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|------------|
| <400> 166 | |
| tgtggaaaca | tttatcgata |
| attttacaaa | ttagagggat |
| ataaaacaat | ttggtatatt |
| | 60 |
| ttcatttcat | acctggaggt |
| atattgcgtt | gcacaaaagc |
| ggtcacacta | attgatagac |
| | 120 |
| gcaaagtttt | aagtaaaatt |
| tgggtttagt | taggcaaagg |
| taattaaaaa | tgataaagga |
| | 180 |
| gcgaaaaatg | taacaaaaaa |
| tgccgatatg | ttgtattcta |
| cgctctttta | tcgatttttt |
| | 240 |
| aaaatgcatt | tctcattgtc |
| cattcgatga | aacacgtaag |
| cggttgtaag | caaactgaca |
| | 300 |
| agatggcggc | cacatctgct |
| taattgaaaa | tcgaaattaa |
| atacgatata | actagcctgc |
| | 360 |
| cgacccaaat | tgcaaacggg |
| ttgggagctg | gtgtaatcat |
| aataatttgg | aagc |
| | 414 |

<210> 167
 <211> 570
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|-------------|
| <400> 167 | |
| gtcgagtggg | tgctcaaaag |
| aaccgaaagg | acgaaggggc |
| cttcaaacag | gataaacaag |
| | 60 |
| ccaggcaaac | acgattgtca |
| ttggcgacag | gctttaaaat |
| ctatagcgac | aagcttcgct |
| | 120 |
| ttgctgatcc | tatattcatg |
| gcaaattcat | ttaatttaat |
| ctccctaaat | aggaatgact |
| | 180 |
| taacatagtt | aattgaaaag |
| taaaatgggt | agagtataac |
| ttacacttaa | ttatgtgtac |
| | 240 |
| tttcacagag | ttaataaaaag |
| tactaatttc | gaaatatttg |
| aatatttggt | tattcagact |
| | 300 |
| gatcagtttt | aaaattttta |
| aatcgaaata | ccagctagtt |
| gtaaatttcc | aatcataatt |
| | 360 |
| gggagatctt | aaatgcagat |
| ctgcaatagc | agataaccat |
| cgtcacttag | acttcctata |
| | 420 |
| aacaatacct | ttgcaaggat |
| tataataata | agagaggcat |
| tcggtgagac | ttcaaacgag |
| | 480 |
| agataacgct | cttgacagtt |
| gctcgactgc | tcggttgagg |
| cccgaatcga | agccgatgcc |
| | 540 |
| ccggcttaag | tcgatggcgg |
| ttcgagaact | |
| | 570 |

<210> 168
 <211> 601
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 168
 cacataccta agtagacgca cgagagctct cgtatcgcca aaagcgtgtg ctttgttgtt 60
 gctcttccac tccctcgctc taagaggcgc tcccgtgttg tttttgttgt tattgccgct 120
 gagcaaattgg cagaccctct aagcggggcg cgctgggtgat aacatgtcgt aatggccaga 180
 gaggttaagt caaacgtgct aaaagcaaag caaagccggc aactacggct taaccgtttt 240
 agttttcccg atcaccacgg taccgcaagt tactttgcc aatcagctg ttctcacttc 300
 atcaccatcc cccatcattc acatctgcaa ccaacgggtg tagcctctcc caacattaaa 360
 acagttaacc ctatgtcata tttttccaaa aaagttaac ccaacactac aacttaataa 420
 taaaaatgct gcgtgtaaca aatagttatt ctctgtagga atgaattttt taattaagca 480
 gtagaaacaa aataatcaaa aataatacta ggtaatagat tttttttaat aacatgcaat 540
 ttgaccaagt aaaatttata atatattcta atatttcttt gacttggctt ttagaaaatt 600
 t 601

<210> 169
 <211> 467
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 169
 gttaggacga aatgagccga aagaacggaa accaggacac ctttcccaag acggagaaga 60
 tgcagcgcta ctacgcggag cgcgagacca caggaccgga gttcgggtgag ttttcctcgg 120
 ttcgcaatcg gtacacaatg gattcagaaa tggaatctga gtaaccgggg ctcgcagaat 180
 caacccccaa agccaaagga tgtgtcttct gcgcttaggg gttgctgttt ctgcggcgaa 240
 gaaacgtaga aacggaatta gaaaaccgaa acagatttta acgatttttc ccacaaatcc 300
 ttgctcccag acgatcgctt gataaagctt gtgcgcgcca atccggccat ctatgatgtc 360
 agccatccgc actatcgccg taatccggtg cgggtggaca tatgggatcg cattgccaac 420
 gaactgggcg cctcctgtga gtatattgca tttttatcca ctgcgta 467

<210> 170
 <211> 288
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 170
 ttgcgaaccg aacagaacgt gggtgaaaat aatcgtagtt tttatactgt tataacggct 60

caccatggtg cggcccaaca acaaccagct gccggagaac cttccgcagt tgcagaacct 120
catcaagcgg gatccggagt cgtatagcga tgagttccac atccagtacc aacactttct 180
cagcttgctg gaagtttttg cgctgaatcc cagcgaagaa aacaaatccc tggatgacat 240
cgtcattgtt gtcgcccagg tggctcagt ctatccggcc gtctgcga 288

<210> 171
<211> 350
<212> DNA
<213> *Drosophila melanogaster*

<400> 171
ggcttgctgg tcagctcgcc atggcgatac tatcgtcgga agtgcttggt cagcactgga 60
cgtttgctga aacttgtttg aaatatattcc ggtcctttac gcattttaatt ctcttccgta 120
atctatatatt ataatttaaa tgttcctttt tgttctttcc cttaccattt tccctcaaat 180
ttgtttacaa tatgtttttt ggggagccgt gcagcactgc tttctagaga tggtagtggc 240
gggaacgtat tggaactggg tcacctaatg ttataccttc aaaatttaca gggctagaaa 300
tccagtacgt aactatttac ataaccaat aatattattt taaagaattc 350

<210> 172
<211> 446
<212> DNA
<213> *Drosophila melanogaster*

<400> 172
cgccgtacag cgcacggatt gcagttgggc caacaacaag gcgcgagcat aaacagcgat 60
accaacatgg ccggcttcgt cgcggtgcac acgggtacgt atcttggcca tggcggttcc 120
gatccgccgg gcagacagcc agatgattga tgaccgctac ttgctctcag gggctgggaa 180
ctgcatcgac gaaacgaagt accagcgggt gattaaggag gcctgcctgc gcgccacgga 240
gatccttcgc aacggcggat ccgccgtcga tgctgcgag gcggccattg tcgggctgga 300
gaactgcggc tacacaaacg ccggctatgg ctccaatctc tgcattggac gctctgtgca 360
gtgcgatgcg gctataatgg gatggctcaa cgcttaactt tggcgctga cgaacgttag 420
tcggtgaaga ccccatagac ttggcg 446

<210> 173
<211> 478
<212> DNA
<213> *Drosophila melanogaster*

<400> 173
gtgcagacag agagagacgc gaatgtgaat taacaaacaa acaaaaatat tttgcgaaaa 60
agacaaacac aaaaagtga agccaataaa gtgtattaca taaacaaacg gagctccgat 120

atctaaataa atattatgga aatcgcacca ctgatcaata acgccgtcgc tgcgtcaca 180
gcctctgcct ctgccgccgt ctctgcctct gctagcgctg gcagtagcag caaggatgat 240
aacggtaggc gggctctctag atgataagcg gtacacttcc agtgggttca taataaacta 300
taaaaataat aaaatatatg taaatacaaa gcataaagtg tagatacgtg ctcgaaagag 360
tcacactttc tcgttaaaga acttcacgtt ctatccatat tatatgatta ttatgtttca 420
aaatccttta ttaatcaaaa agccgaatta gacaatcagg aatatcttcc acccagca 478

<210> 174
<211> 528
<212> DNA
<213> *Drosophila melanogaster*

<400> 174
gttgcgacca gcactcgatg tagacgtacg cacggatact cgatctccca gttgtatctg 60
cgttagggcc tcgcatagtt ttctgcgtaa tattttcggc ttcgcaattt tgttgatac 120
ttgatgaaat aacgtcagtc ggattgtata taacccaaag cagcggcaaa tcaatgtcgt 180
cagttgtata aataccacaa ataaacaaac acattcacaa agagtttttg tgctttcatt 240
gcatagtgac caagtgtgtt agtcacccat acagtttatt tatgtgctaa aatgcaaatt 300
caaaatcaca agaccaaaca agttgctaaa atgtggcaga ggaagccaat aagtgcgaat 360
aaaaataaat aaatacgcg aagcgcagcaa aaccaaggcg cacaaaaagg attacaccag 420
ataaataaca ctgaagccgg cgtaaaaaata gcaaaaacgc aaaaacacat ttcattgcc 480
acgagcgcag aaagcagcag caacaagaac taagccaaca gggccaag 528

<210> 175
<211> 539
<212> DNA
<213> *Drosophila melanogaster*

<400> 175
tcccgcacat agcgagaata gttacgccgg cacgtgtagt tgagtaaaaa gttcactcat 60
taacttttat caaccgctcc agtttgcat taaagaattaa aatggtaagt taaaagtgca 120
ttgccccata tgaggtttag aagacagttt gaaatcgaag gatgatatcg gtttttcgag 180
aaggttccac ggctttcggc ccacatccca ttcgccgggc tgttggtgtaa tcaatgagag 240
aaacatgaaa cattgaaaca tgggttaatt gttgggtctt ttttaatgat cctcaggccg 300
ccgctatcaa gaagatcatc cccatgctgg accgcacatc aatccagcgt gccgaggcgc 360
tgaccaagac gaaaggaggc attgttttgc cggagaaagc ggtgggcaaa gtacttgagg 420
gcaccgttct ggccgtagcc ctggcaccgg taatgcccg gagtatttcg ccttatcaat 480
gcagagatgg tcattctaac actgaacatc ccattctccg cagtccatgg caaccacat 539

<210> 176
 <211> 541
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 176
 cgtgggccga aagcaacgaa gcaaatacgg caagaggcga gcgaaaaagt gaaattgaaa 60
 taattccaaa tcaaaaatca aattcgaaat cgaaaatcgc aaatcacaaa gttggaagtt 120
 gagtgagcga acgcgtgtgt ttgtgtttgt gcgtaagtgt ccctcagtgt gtgcagtgca 180
 acggtatcgt aagacgaaaa gtaacggtaa ccgagcaatt ggggtgtaag ctgtcagaat 240
 ctgtgcgcag agaaaaccga aagttttggc ttgttacctt gccgtagtaa tccaaaatca 300
 aaaccgaata ccggattcac cgatcgccat cctggcccgc ctttcgactt tagtttaagg 360
 cgctctgccg gcggttcgcc ggaacggtaa actcccccca caccctgctg cccgtcgtcg 420
 ttagcatacc gataccgata gaccaccgcc gatagcgata ctttcgaaat tcagcaatcc 480
 gtgccccatt tactaggatt ctgttcgggt ttaaccctac gaagaaggag caccgcggc 540
 g 541

<210> 177
 <211> 66
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 177
 gccacgtgca ttcttccact tctttttttc gctcaaaatg gacggtcgcg ttttctgctt 60
 gaattc 66

<210> 178
 <211> 542
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 178
 ctttgtatgt atcgctgac gtatgcgcag tgtggccgaa cagggctagt gagaaatacc 60
 agccggcggg tagatatact aaaagtgtat tatttttagt taaaacagtg cattgtcaca 120
 taaattttta tagcctcttt attaaactat atgagcggtg attgccacta tgaatatcta 180
 agcaatatat tacattacaa tatggcaatt atattggcat ttggtactgt cgaataaaat 240
 accaaacctt gcagtgctgc ccatcagcta taccaaaaaa aaacttggca gcattgcgca 300
 tcgtgttcat ttgaaatttc gaaacacaaa acattataaa taaattcaaa cgaaattagc 360
 tcgccatgga aatgcgtacg ataaaaacag ctagacttta ttaatcaata acatttatta 420
 ttacagctg aaggagtttc gattgctctt gcagaccgcg cttgaatgac aaaatgcatt 480

agttgggttc gaaatattaa tgattggcta acaattatga tccttattat ttatacccca 540
 tt 542

<210> 179
 <211> 519
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 179
 ctccagccac actaacagct gatagggctg tcatcacgc ccaattagtg atgagcgtct 60
 ttttttaaga aggtgacgca aaaacggaaa aattactaat taaaattaaa tgaaagaata 120
 atattgtctt aaaaatatgt gctttttaag gatttaatta tcaactgttg ataaaaagg 180
 ctcaactttt taataagtat tatgaaatta cattttggtc caagaacgtt acctttaaaa 240
 ttaaacaata tgattcaata aatttggttc actactattg gtgttggtca actatcgaag 300
 gaacctcaac tatcgattaa tgtgaccgct caccactgac caccactagc tctgcagtac 360
 aagcaacatt tggcatctct actgggtatc attttcttga tccgttaaag tgatggattt 420
 gagtgataat agcccagtg gagggatcaa tacttttggg tacaagcatg ataagctatt 480
 cggcgaaaagg ttcccctggg caaggaaatc cgcaggatg 519

<210> 180
 <211> 480
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 180
 ataggggacg gcaatcggta tcgggtgacg catacgaaca acagctccca gacaaccaag 60
 aaacgcaata gcagaaaaaa cttacttggt cgctaaattc gggtgaaaaa acagatcagc 120
 caggatgagt ttcttcggga agatgttcgg cggcaagaag gaagtggccc ccaccaccgg 180
 cgaggcgata cagaagctgc gcgagacgga gaacatgctt atcaaaaagc aggagtctct 240
 ggaggccaag atcgaggacg aactgaatat agcccgcaag aatgcgtcta aaaacaaaag 300
 aggtatgaga ggagtgcgcc gaggtccttg gcttcctagt tggtcactca aatgggcca 360
 ggggaaatga ctatttgctt tggttttggg gcggccgcga agcctgcttc cagttaatca 420
 agtattccca tactggccag caaatagaaa actcaataaa caatatgtat ctcttttggc 480

<210> 181
 <211> 593
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 181
 cagtggcctt tattgtttat atatatcttg ttgcaatac atgaacaata tatgagtc 60

| | |
|--|-----|
| tattaaatta aaaaaattta tgggcaagcc agagcttatt taaagaccat aacaattcgc | 120 |
| tcgatctttt aaaataccaa attgacagtc cgaatataaa cggtcactta attcacttgt | 180 |
| ttacaaaata ttaccgcat attttcagag aaatttagtt ttaattacaa atttgaaaat | 240 |
| ccacttagcg tggagcctta aaactatgca acgcggtaaa atttccttcg ggaaaatcaa | 300 |
| attgaatgta aacgtgccac ccgcggagcc aaaatccaac gaaaccgagg cggaagatgc | 360 |
| aaaggagtcc actgaagcca gcggaaatgg cggaggattc aagaaaatgg acaaggagca | 420 |
| gatgattcgg cagatcgagg acgtggcccg aagatctgga gagccagcac ctgaggaagt | 480 |
| gatgggcatc agtggctttg gtcgcaaggc ggccaagggtg ttcgacatca cgagcagata | 540 |
| gaaaaggcga agagtacccg cccggaatgg ccaaaaaagg gaggagtcca gcc | 593 |

<210> 182
 <211> 446
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 182 | |
| atttgaacca tccctttttca ctgtttctcgg tagaggggat gtgaaaaaac cagcgactac | 60 |
| atcaacaaaa gcgtgtgtgt gaatataaca atctcgttgt tccctagtgt agttgctaag | 120 |
| aagcatttta ataattgtga aatcccagta ccgaggacga caacaaatgt agattttttc | 180 |
| aaagcacaaa caactgcagc acgacgttcg tcgcccttcg ggagcggttg tattggtgtt | 240 |
| ccgtgctgtt gtgtttgtgc taccaccttg ttcgatttta atgtgttgtt tctgtttttc | 300 |
| acatcaaagc tccgtatttt cgtgcggaaa gtgtaaatgg ccgtgtttta aatattattt | 360 |
| cggaatggtg tctccgctat ataatcaagc tgtttgcaac gttagcgttg acgcccacat | 420 |
| ttgagcccac ttgtgtgccc gaattc | 446 |

<210> 183
 <211> 553
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 183 | |
| gccccaaattg tagcgccctt gccactgcaa ttacccaat gttttatatt aaactgcggc | 60 |
| gcagttttga actcggaatc ttactttttca caacgggcag gaagcggcac aatttttttg | 120 |
| caatttttgcg aacccttgct ttcgatgacc gcttagcgcg cgtctccttc gaatcactgc | 180 |
| actatggatg ggattgatcc tgtccagcta ttacacatg ttcggttaca agagtctttt | 240 |
| tcggtgctta tgttgtaaaa aataagcaaa aaccaaggag cattttatgg tggagtgggc | 300 |
| accgccatta atccacgcat gaagcgctgc cagaggtttt ttgggaaagt gtgggccaga | 360 |

ctcttcgcag aattagtaca tgattgcatt ttcagctgat taccttaacg tgttggttgg 420
 gtgctagcga ggagagcgga aggggggttgt atcacgaaat ccggatatat aatcggaatg 480
 aaatcgggat ataaataact tattaaactg ggattataat ttacttaaga acacttttga 540
 gatcatgggtt ggt 553

<210> 184
 <211> 89
 <212> DNA
 <213> Drosophila melanogaster

<400> 184
 tgccggctga aataaattcg attgtgtgcg cgcgcgtttg tttgtgtgtc ggcattgtgcg 60
 tgtgagttag cagacaacaa aaggaattc 89

<210> 185
 <211> 414
 <212> DNA
 <213> Drosophila melanogaster

<400> 185
 tgacagacca atttcagacg tatgtacctt catacatatt ctatacgtat gtatattttc 60
 gtaccttctt tcgtcttaaa tcagcggatc tctgttttgg tttctggttt tctcaatttc 120
 ttgcacacca aaatcaccga tatttgtgtt atttgttaaa ctgttaaaca ctttagcata 180
 gacactttgc aatgctaatt attaaagcgg ttacaataaa ttgtaattga atttgattat 240
 ttttagcggga tttgtgttag ctggctctat tccattcatt gaacaaaaat cgcgtctggc 300
 tttgatttac ccgttgtgct gcgacgaatt tcaactttoga ctgcggaacg atttgaattg 360
 gatggatttg ggtttgtgga ggggcctatg taattcaatt caaattcccg gggt 414

<210> 186
 <211> 131
 <212> DNA
 <213> Drosophila melanogaster

<400> 186
 gacgccaccg aaaatcgacc ggccggaatt tttcgacta gtgtgcaaaa agtttcattg 60
 gccaaacgag agggaaaaaa gtaaatgtct tccggaaaat gttatatcaa ctgaagatta 120
 tgaatgaatt c 131

<210> 187
 <211> 536
 <212> DNA
 <213> Drosophila melanogaster

<400> 187
 gtcttaagtg gtgaacacca aaaattcttt cgtaattttt cacacagcta tggatcagtg 60

| | |
|---|-----|
| tgaccgcggt aaagtaagaa aaaataccac acgctgcaga aaatatgata ttgatacttt | 120 |
| caaatgcttg agtagaccaa ataaaaacaa acaaagtgtc ctattgttat tcgtcgtaat | 180 |
| aattgggaaa taaactctag cttaaacaat aaagttctta aaataataat aaacatatat | 240 |
| ttttgttagc aaccgatata ccacatttaa aaaattaatg tacaacgggc accctacagt | 300 |
| gtgcaacaat caaccgactt aagtgttgga aaacaccggc ggaacactgg gtatcgaaac | 360 |
| cacaagaggg cgccacttgc gttgccgggc aacaaaaatg taaaaacaaa aaattttatt | 420 |
| aaaaaagttt attggaatct gcatgaaaaa tgtcaagcaa ggccggtaat ctgctttgat | 480 |
| actcaaaaat gaacgatttc aaatatcgga cactacaaat gatgctcgca atgaag | 536 |

<210> 188
 <211> 589
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 188 | |
| gtctatccat tcgaaattca cttcaccaa acgcgacata cacatatgca aaaagagagc | 60 |
| gtatagcaat gagaagcgtg agcatcggag taaaaaatct ataaaagcaa ctgcgacgtg | 120 |
| ctcatttttg taaaaaattt agctgtgctg caaagagctg cccgagtggg aattaagtaa | 180 |
| cttttgtaca tttctaccgg ttccgtctcc acatctccca tccaacatgg tgtaccaggt | 240 |
| gaaagataag gtgagtcact tcaaccggat ctatggacgc atcacatccg tcatctattg | 300 |
| ggtaactcga tagcgctacc ctttgacccc tcagttccag ttacacgttt attttttcgc | 360 |
| tccggacttt gaaaatatgg cattggaagc ggcattccaa ttagcctctt actttgaaatg | 420 |
| attggattcg ctacgctttt tgccatacgc tcgcccgcga atagaaggaa ctcatgttcg | 480 |
| gtctagacga cgagaaagcg gagagcaaac gaagaaagtt ccgaatagca gcacagcgaa | 540 |
| atggataatg atatcattcc atggaccgca aaacgggtct taacggaac | 589 |

<210> 189
 <211> 533
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 189 | |
| cgctagacca cgtaacgcca cgattttcgc cggatccacc gattcgattc gattcgccgc | 60 |
| gatcgtcagt gcctatatat acagttccca acggagccga gcgataaaga taaatgtgca | 120 |
| aaaacaaagc gcacttagat aaagatagcg aagttctccc atgtggaagg cacagtgcaa | 180 |
| gtgaagtgaac acgagaacgc agttttgaat aggaaatacg aaagtactca catatataga | 240 |
| gaacccgaga cttggagtca gaatgcaaat gtggcgagca taaagtcgca aagcgtgaaa | 300 |

atctacgata tatacgagta tagtcgattc caagtgtcag ccaagtgaaa ccagtggtgc 360
agccgaaacc aaaccgaatg actatgactt ctacggtgct ccaacggccc attcaagcca 420
agccagagaa gaaggccttc ttcaaactga ccagcttctt gagagccggtt cacgatggcc 480
tggtccaatg agaactgcgc ttctctgcat cgacaacatc ggacttaaca gct 533

<210> 190
<211> 528
<212> DNA
<213> Drosophila melanogaster

<400> 190
ctctagcagt atgctgcgca agtcaaagaa acagccacag acggtggccg agaaggtcag 60
caagctgttg cccatccgaa cagagcgaca ggcgagagga ctcggaacttc gatgtggcca 120
cggggccacg tctggtggac ttcgaggagg aggagtacga cctgccggat gcccgagca 180
ccgacttttag gaagaggaac gtcaagctgc tctcgagca gagtgaccgc taaaaaggaa 240
agatcagcag tgcgaaggag ttggatgacg atgaggatga ggatgatgat gaacaaggag 300
tgtcctacga agaaagcgat gaggatgatg agaacttgac agactttaag cagaagttaa 360
atgctggagg agctgaagac tccgaggagg aaacggctgc tggacattcc gaatctggtg 420
aaggaagtga agagattgag agcaatttga cagactttaa aaaaaagttt gaggctggag 480
attttaagta tgatgatgat gaagaggagg atgatgactc tgaggaag 528

<210> 191
<211> 52
<212> DNA
<213> Drosophila melanogaster

<400> 191
cttccaagta cttttcacat attgcaagag cgatttaata tcgtaagaat tc 52

<210> 192
<211> 531
<212> DNA
<213> Drosophila melanogaster

<400> 192
gttcagagcg tgaaaaatac gttatatgct gcaaaagttg tgaaacgaaa cgtatccgag 60
agatacaatc ccattgggag agcgagagcc aagcaaagtg cagtttccag aagcagatac 120
catttaaaca tatttataac ccaaccgaaa ccaaacaaat aataaaggct gaaaaattcg 180
aatacaccca aaaaaacaaa ttttccaaca actcaacctc gacgacgacg attcgcaaca 240
caaactattg ttggattaac atttttttcg atcaaggtaa gtcggtttac atatgctgtt 300
ttcatttttt tttttatggc catcattaac actcaaaagc attccgaagg ttttaagtga 360

ctcttggcctt ttatagttgg tatgtagctg tcttgcagcc caaaaaccga caaaagttgc 420
 tgtcagtttt ggatgtgact ctggctaatt gactcaagct ggtgttttca taattaagct 480
 aaatgaaccg accggtagta caattgaagg ttccgtagat acatatttca a 531

<210> 193
 <211> 560
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 193
 agtgtgtgcg tgaggaagga aaacggggga ccgcaaaca cggatcgcg atttcgtctt 60
 aagacaaagt cttgcgctgc ttatgcacgg tattccacgg ccttgccgac ggacttcccg 120
 gttctggaaa accgcagcca ggctaaaacg agagaaggtg agagtcgcaa tatggcgaaa 180
 aagatccccg atcccagcca aatcgccatg cgggtgtgct ccgcccacaa ttccgaaccc 240
 cgcccgttga attcagcaaa caaaatgtat atttactgat gttttagaac tttgaatatt 300
 cctctataaa agttgcacat atttcacacc ccaatgcatt tcatttctct ctcgctccata 360
 aaacattcaa aatgtattcg cgcattcgat ctaacaaaca tttattgctt tcgaatattt 420
 aaaatttatt tattttctat ttcacgaata tcatatatac atacatacca tatttgcaga 480
 acatttggtt acttcccagc taatttggtt agatatccca taattgcata taattcctat 540
 tcgcaacgga cttattaaaa 560

<210> 194
 <211> 562
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 194
 atccacgcaa ggaaagctta attcgagcga aaaaaaattt acttagctct taatattttt 60
 aaaaacaacg ccctcgctgg gccagtggtc ggttaactag ttagctgtaa gatgacgcgc 120
 gtaacgagaa gtgaaatctc cctggacatg gagttctggg tggaggagct gtcgccggca 180
 caattggcgt actacgagaa gattactaac gagcacaacg cggtgagggg tgcactaaag 240
 aacgcggtta gcgccaacga gggcaaggag ctgtttaacg gccaggtggt ccaggcctac 300
 tcctttaagg gcaaagtgtc gcaggagctc aaggaggcta cgctgcccac aaaaccaccc 360
 aagccgacgg actctccctc aacaccgcgc gcccaaagcg gtggcacagg gcggggtcgt 420
 ggcccggcca ccacgacaac catccaacat cgcctacctg gagtcctccg atgaggggaga 480
 cgacgatatg ccgctggcca agcgactggc gctgtctgca ggcaaaaaag cagtggccgt 540
 ggccaatgca tcttcttggc ca 562

<210> 195
 <211> 528
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 195
 gttcattcgg tttttgaaat ttgaggcggt cgctgtgcag tgaaaagtga gactttctac 60
 tgttcgcgta gaaagtgata accaagccac ccactcagtg cccagactag caacacaagt 120
 ccggcaaaat gggaagtaag taaccgtcat cgccagacat cttccccaaa atcggggagt 180
 gcagcggttt ttgtgtgaag tgccgccctt gcaatgccgc tcgcaccctt gtcgctcatt 240
 gcttacgtat acaaaaaaga ttccggcgtgc gccgctcggt gtgtccgaaa atcgcaatta 300
 attaaaaatg gcctgagaaa cgtaactaat tcggttgcct taattcacta tttgcagtca 360
 agttcctggg aagttatcaa accgttctgc agtatactgc cggaaatcgc aaaaccggac 420
 gcaaggtgtg tataaaaccg taattaagat gtaatcaaag tgtagctagg tatcccaatt 480
 gctgctgtac catggaatgg tcgaattttc caacaattgc ggctttct 528

<210> 196
 <211> 535
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 196
 ggccagtagc caagtaaacc gcggcggcgt ataatacatt tttagtacaa tcctcactga 60
 aaaccgcgca aaatggccga ggttgaagcc gtgcagataa ttgcagagtc tttgaagcaa 120
 caggtaagag gatcacctgg tcgtccagtc atttgtccga ctttttggca ctgcactttt 180
 ctgcacttgg gatattgccc aactactata tatctcattt gtgaacgggg gccgcggaat 240
 ctgtggcgct ggcaagaaca atggagtggt ctcttatctt gaggcacctg tttgttgtgc 300
 aaagttcaaa aacacttggt aactgtaagt gtggttgttg ttgttttget ggtgagaatg 360
 tcccccgatt actccggtta ataaaagacg gagcggattt gataaagacc atgttccaaa 420
 ggtttgggac cacgacccaa accaattggt gcttgcagct gcgaatatcg ccggggggca 480
 gaataaaatc aataatactt taaccgggat tccgggcaaa tcacttaaga acggc 535

<210> 197
 <211> 549
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 197
 gtacgcgggt tgcacttgta atccgctctc tcacgtactc tctctctccc gctgtctctt 60
 tttgccgcag cgaattacat tggcgcgcgc atttttcaaa tgttttttta cggcgaaaat 120
 aacgattttc gtcgctgctt gttttgtgtg ctgaaaatat acattttatg actatgtaca 180

| | |
|--|-----|
| cacgcacagg aagttgagag gggatttga tgcccttgat caaggagatg tgtgggtttg | 240 |
| agttgggagc gtaggaccat ttcgtccgt aattctccct aatatccttt agtttggttc | 300 |
| tcagattaat atcaaaaatg cataaataat agtgacgggc cccttatttc tgttcaataa | 360 |
| acttgcttgt aatacagtaa atcatcagcg gaacaaaaac caaagggaact ctactaactt | 420 |
| ctctcttttt tcgcttccag gccaaatccg cagaatcaaa gaaggccaag aaggccgcgg | 480 |
| ccgccgatgg agattccgat gaggaaaagc tctggaggaa atcatcgagg gcgacagtga | 540 |
| aatcgaagc | 549 |

<210> 198
 <211> 667
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 198 | |
| gccggcagaa aaggaagaag aagaagctca taccattgcc gattgctgtc gcgttgcgct | 60 |
| ttcttcggtt ttttcggctg ccgaaactta tttttgtcg ttgtaatat ttgcataaat | 120 |
| atataaatta aaacgcgtga cggaacaaca aacaaataac gaagacagca aaataaaagg | 180 |
| gcgaaaaatc gaaacgaaaa cgagtcgaat tactttcaag tgcaaatagt gtgcgtgggc | 240 |
| gtgagattgt gtgtgtgtgt tgtgtttgtg cgactgtgag tgcgtgtgtt tgtgtgcaaa | 300 |
| aaaaaacaga acgtgcaaca agaagcaaga agaagagcca tcagcagctg acaaccagc | 360 |
| aataaaacga aatttcaata agtaagcaac atttaggcaa agctaaaatc caaaagcaaa | 420 |
| tcgaacaaga ggaaaaacta cttttggaag ccccgcaaag cagacgtaac aatgggcaaa | 480 |
| agcaacaaat ttgcggctct cagctaattg aaagcgaatg gtggtggttt agagcaatgc | 540 |
| actcgataaa aaatactaaa gcaatggcat aaaaatacaa attagaacgg gcagcacagc | 600 |
| agacgaaaac catattccac tgggaaaacg aaaagtcaaa tgagagaaaag agagagagac | 660 |
| cataatt | 667 |

<210> 199
 <211> 498
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 199 | |
| gtttactcta aactcgtaac gatcccaaaa attcgacatt cggagtgcta agtgctcgga | 60 |
| tttttgaacc aaacataat tgtgaaaatt gagaaacttg cttagtgtca tttttggatt | 120 |
| tacacattcg gatttgtact gaacacacat ttctggcgat taaaaggtaa tggttttaac | 180 |
| tttactgacc tatctatcca tctattctat atctatattg taataacggc gtgcaacttc | 240 |

cggtcaatat cgggcectcc tttctatttg ccacttttct atgaacacca cttgcagttc 300
aatggatttc cactagtaca agtattactt aatttctttg cttaatccga tttgcgtgca 360
ttgaactttt catctttggg tatttttccc tgttgatgtt gtagtcgctg gtattggttt 420
ttatctttcg tttttttttt gtgttcgact ttattttgca ccaacttctt gtggttgaat 480
ggtttttttt tttggttc 498

<210> 200
<211> 550
<212> DNA
<213> *Drosophila melanogaster*

<400> 200
gtctgcagtt cgcggcgctc catttttccg ggatgttttc ttttggggag gaagtataca 60
atctgtatat ctcgatatcg attaagcata taagttatcg gatgcagtag ctgccaggg 120
gtgacatacg ttagtcaaca tatcgataac attagtagca ctttaccatt attaacatga 180
ggggattttt ttaaattaaa ataattttat ctttgaaata atttatgtac ctaagtatta 240
tttttttttg gaaataaaat atacaaaact ttgtcgccga ttttttcttc actatacaat 300
gtttacatat attagatatc aacctatttg tcttgtaaca aatctatacc ccaccaaact 360
aaagatctat ttacaaaaca atttactcct cgtcaccaaa gagtcctccc agttccaaat 420
cttctccggc agttccggtc aactgggtgt gctctgaata ccgtaagaat tttccgctgc 480
ttttcgaact ccagcctgct catccgactc ggcggcgatg tgcccggcgt ctgggcccgtg 540
tgaaatgggt 550

<210> 201
<211> 527
<212> DNA
<213> *Drosophila melanogaster*

<400> 201
ggcaagggaa ttgttaattt tagtacattg cttagcactt catttaaacy cgcaaattgg 60
tgacacaaat atcgatttat taaggtttga actatttaat ttgtcgcgcc tttcagcttg 120
caaatagaag tatttacttt agacaatcgg atgacgcttt tgatttcgca tttgtttgcg 180
actgtgtgtg tgcgacgagc cttctaattc cgacaaaaag aagaagagca ccattcgggtg 240
gcctaatttg tttcacttct ccggaatcaa gcttttccga tgccctgcttc tattaacctt 300
tatttaatat gactcgccgc gttcgacgat atttttgcag tagttatttt ctttttcgtg 360
cttgtgggag tgcacctctt ttatgcccgc gtttgaagaa gaagcacaac gtagtaagtg 420
tttggaatgg actgcggaat ttaagggatg gggaatggcg taactcttgc aatcgatagc 480
tcgataggtc cccttttcgc gtttcgcaac acttgggccc ggattttt 527

<210> 202
 <211> 77
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 202
 attcagatag aacggaagcg cacgaaatca cacgagatgg ctctgtacga aaccgttgag 60
 aagggcgcta agaattc 77

<210> 203
 <211> 562
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 203
 ccttggctat tagtttgcaa atttccaagt aaatacgacg aatttggcga atcagcgaat 60
 cactcgcttc ccattgctgcg gcacacactc acacgctacc acccacacga acgcatacat 120
 atgtttgtcg ccggcggtcc gacaacgctg cggcaatgca actctgcctg gccacttggc 180
 taattttggc tatttaccag ccaactactt tatagctagc tgcttatatc ttttcttttt 240
 gattgttcca gtttaataat aataatataa tacaattata tttagaaatt taaatttttc 300
 ataaattggt ttaaataatgc ttacgatttt tattcttatt tatttcttaa aatattaggt 360
 gactgggatt ttagcaataa aaacaagcta tataatagca cagcctgcat atgaaagcat 420
 ctctgctcgt gttttttgcc ttgactgggt ggcaactccc ttggttttct cggctgacga 480
 aaaatttgac ccgaaataaa tcaattaaat tgaaagtgga gtgaaaagca aattccagta 540
 aaaaggtgcc aggtgggagg ct 562

<210> 204
 <211> 416
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 204
 tttcggcttt aattcgcgaa aaaactgcag gaaatccaaa aggaaagtcc ctggaagcgg 60
 ccataataac gcagccggtg aaaaccacag ggatttcacg gccagctgtg tcgagcagcc 120
 ctggatactc ggaaaagaag ctgcagcagc cgaagaaatt ttgagtgtgt gcgtgaggaa 180
 ggaaaacggg ggaccgcaa caacggatcg cgaatttcgt cttaagacaa agtcttgccg 240
 tgcttgtcac ggtattccac ggccttgccg acggacttcc cggttctgga aaaccgcagc 300
 caggctaaaa cgagagaagg tgagagtcgc aatatggcga aaaagatccc cgatcccagc 360
 caaatcgcca tgcggtgctg ctccgccac aattccgaac cccgcccggt gaattc 416

<210> 205
 <211> 550
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 205
 gcgcggacgg tcggtttttg taattttgcc ggctaacaca cctttcgaac gacgcgtaac 60
 ggtggccggg ccattaaaat cgccacaacc acgggcaatt cgagtgcggc gcgctaatta 120
 tgcaaggctg agaactagcc acaaaaattt ggggggcagc aataaaccag ttgatttaaa 180
 ctagttttgtg agtgcgtgtg aaaaggccaa ggaattttggc cgaaagtagt agacaatagc 240
 taggaggctg cgactgcgga ggattcaagt ccagaagttg tccgaccagt tttcgggtgcc 300
 cgtgtgctcg tgtgtgtgtg tgtgtgtcgg gattacttgg attacctttt attttatggt 360
 ggccggtgcc ttcgaagcgg agcgaatgag ttggagcagc tagtggccgc agagagatca 420
 agagtgcgag agccagcgag agatgccctt cgtcagcgcc gtggtgcaac ccgtcaatgt 480
 ggcccaagcc acgcggccag tttggggcac gcattcggac gattccactg cacgccgggc 540
 aagtgccgga 550

<210> 206
 <211> 590
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 206
 caccacccga tctggcgccc gatctttggc gaagcgagct acgtgttaag ttctcggcgt 60
 gatgactata acaatgagac agtttactta tctggcttac acttcaatag gaaaacaata 120
 cttttatata gcttctataa cttcgggggtg cgataagaac atgaatacag atacacggat 180
 tgcaacagta cccaagccac ttgttttaaa caaatacagg ataatgggga gtaatgtaag 240
 ctattgactg gggttacaatc aggggtctga taacaatcaa acattgtcca gttgcctttt 300
 gcgaatatca atgaccactc acgagttgca actgataacg attatcgccg cacaatgcag 360
 tgggtgggta tttcactggg gggaactttt ggggtccctag aaccagacg gattactcaa 420
 tgaatatagg cgatatgttt gggtttacag cgaaagtgtc attaatgtcg acccgatatgc 480
 tctctttcga tgtgccagct ctctatttgc ggggaatgaat gactatttta tgggtctggc 540
 cgcgctgcta caatgctgca ttgctgcagt gggacatcct ttgacaggcg 590

<210> 207
 <211> 312
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 207
 gaacgcacaa tcacaagcgc cgctcgcgag aacgagaacg ggaactcgaa agaacggaga 60

| | |
|--|-----|
| tcgctggtcg gagaaccgtg gaaccctgg aaccgtaacc gtgaaagtgg ggaatcgaag | 120 |
| atagaacgga gaggggtgta ggccgattcc ctctccccac tgcccgttga aattcagaat | 180 |
| actaagctct cggttaaacg cggcgaaaaa gaaagcaagc tctgagcggc tgaaaaaaaa | 240 |
| atgaagtgaa ataaaactgg ggatcgcggc accagcaaca agtttttagtg gctcttcttt | 300 |
| gtgcgttttc gg | 312 |

<210> 208
 <211> 311
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 208 | |
| ctcgtgtggc tctcatttgt tttgatttct cggttacata ttacttaact aattagaatt | 60 |
| tattatgaat ttttcattga atttcacaac gagaaatcta gtgccacgac tgcaccgatt | 120 |
| caccagcaag attgccgtgg atgttgaacc agctgtggtc tctgccctgg aacatgccac | 180 |
| actgaagccc agaaaacatc ccggagtagt gagaccaat catatggaac tgccgaaaca | 240 |
| attgaatgat acgcttaagc gccatcgtgg ggggatcatc ccgtcaaaaa actaatccac | 300 |
| gatggccagc c | 311 |

<210> 209
 <211> 359
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 209 | |
| tgttgaacaa tattttaaaa acatccaggc aggtgcttta tcccgtggca aggactttca | 60 |
| gccgcagcag caaccacggc aatgtgggga ccgaagctgc tgcgacagtg ggcgcacctc | 120 |
| cggcgacaag atcaccctt attctgccgc aagattacac agattgcttg ccggtgagca | 180 |
| ggaacacggc gcgccaggca tggattgaga acacggatgc tgtggcggag cgaaagggtg | 240 |
| gcctgattga actgctccgg gatgtctttg ccgccagcc gcgcgtggac atcatacagg | 300 |
| aagaatgttg gaagtgggca gagcaagtat cgttatgtaa gcatggcgca caccaaact | 359 |

<210> 210
 <211> 415
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 210 | |
| tttcggcttt aattcgcgaa aaaactgcag gaaatccaaa aggaaagtcc ctggaagcgg | 60 |
| ccataataac gcagccgtga aaaccacagg gatttcacgc ccagctgtgt cgagcagccc | 120 |
| tggatactcg gaaaagaagc tgcagcagcc gaagaaattt tgagtgtgtg cgtgaggaag | 180 |

gaaaacgggg gaccgcaaac aacggatcgc gaatttcgtc ttaagacaaa gtcttgcgct 240
gcttgtcacg gtattccacg gccttgccga cggacttccc ggttctggaa aaccgcagcc 300
aggctaaaac gagagaaggt gagagtcgca atatggcgaa aaagatcccc gatcccagcc 360
aaatcgccat gcggtgctgc tccgccaca attccgaacc ccgcccgttg aattc 415

<210> 211
<211> 89
<212> DNA
<213> Drosophila melanogaster

<400> 211
gccagaagct tgttgctttc tccactcctc tttcatcctc gtcattgtgtg tgagtgtgca 60
agtgtatgtg tttgctaggc ttagaattc 89

<210> 212
<211> 488
<212> DNA
<213> Drosophila melanogaster

<400> 212
caccggacgg ttgaaaagtg ttctgtgaaa aaatccaagg aaaattttgc ttgtttcaga 60
ttttgtcaag tcatggagct gccttcaatg gtggagcggt cgggtgatcg cttggtggtg 120
cgcagcttgg ttagtggtgc tccactttat cagtcattcta ttgagggcgg agcaggtgct 180
gtgcttccta tgtcccaaag cgtgcagccg ctaataggtc aggacttttt ggagcaacaa 240
ctggagcagt ataaggcgaa taactttatg tttccactat cgatggccgg gtttgtttac 300
gcagactctg caccaccggg ggacttgcc aaggaaaata tggagaactc actgccagat 360
ggtaatccgt gcaacaacaa caacgacgat gagctgccgc agtgcaagat accggcgtaa 420
ctacagctgc aaccagtgcg cattcttcac gcaaaatccg cgcagtcac tctcgcatct 480
gcggggac 488

<210> 213
<211> 170
<212> DNA
<213> Drosophila melanogaster

<400> 213
cgcgacgtaa ataccagacc cgagcggaca ttttttattt gtggagcgcg caacaagaac 60
gagaaaagaa accgaaacgg aaagcagaca aaaagagctg ctgccagtgt agaatcgcaa 120
agcaaagaaa gaagcaagtg cgtgtgtttt taaaccgaag ccgagagaat 170

<210> 214
<211> 480

<212> DNA
 <213> *Drosophila melanogaster*

<400> 214
 ccttagcggc gttccattca aaaactgcc a ttaaagatta aaactctgga ttaaattggcg 60
 ttatcagtcg aaattgaaag ggtaattggac cagggcaact gcctgatgcc cgacatcaat 120
 atctgccaaa gcgacttggc caatcccacc gagcccattg tcaccaagat catggtgcac 180
 tatctgcgga gtttcggctt tcgcctggag ccgcctata aaattggcac cgaactcggc 240
 cactcgtcgc gggaggcgcg cgtctttctc atccgagtgt gccgccaagt ggagcgcac 300
 gtccagatca gctttcccaa caagacctac agctatatgg acataattaa accagggtgag 360
 ccggcagccg gtcttaagaa cattaaatgt aggaatttag atacaataag ctattattat 420
 taaacaattc tctaccatta gctggtaaaa aaacgctcgc catctgagct acctttttaa 480

<210> 215
 <211> 471
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 215
 agcctgccag taatgccggg gtggatTTTT gttcttgctt ctttttcaat tcacttcggt 60
 ccattgcatt tgtagttgat gttgttggtg ttgctttatt cgtttccttg cgggagaaca 120
 tttccaattt tcctcctttt cgtgggtttt tctcaaattc ggggttttct tttcctcttt 180
 tcgcgtcagc tacgccgttt gttatatccc tctctctcgc gctcttgccg tcttgccgctc 240
 tcgtgctctc tcgccggcat gagcgcgcac gagcgagacg gcggacgcag agatgagtga 300
 aacagctgta agcgtcgatg agtataaaag gcgggagcac cggcgagaaa ttcatagtag 360
 cttcgaaaaa aacactgaca cagtacaca gaaaacagac tctcgcagcc agaaaatcaa 420
 atgaagcagc agcagcaaaa acgtgcatag ccagactttt tccactgcta a 471

<210> 216
 <211> 439
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 216
 gtgcgaacta tacggcttca gcacgcgctg ggcaactact ggagcaccca ggcggacctg 60
 ccggttccgg tgccgacggg gggccacgcg gacaaccca aaccaaagcc gacatcgagc 120
 agcggagcaa gtgcatcggc atccgctgct gggggcacca agagtgcgga ctcagccgctc 180
 gctacctcgt cagcttcggg ggacatcgca ccggcagcga ccaaggccaa gccaaagtaa 240
 gcgataagag ttgcaagggt cgcgataaat agtaatatat ttctctcca gattcgcaac 300
 gcttagcgac atgtcgaagg agtcgtctag tgacgatgac cagcaggcct tctatgccgg 360

cggtcagat cgctccggtc agcaagtgtc gggcccgcga agcgcaagaa cttccgggag 420
cagctcaccg acatgatgc 439

<210> 217
<211> 312
<212> DNA
<213> *Drosophila melanogaster*

<400> 217
ggccggcaaa ttgttaaact ggctgaaatt gtttaataatg ttttaagaaa ttgcgacacc 60
aattaaacca ccgcaatgtt ttcgatgtgc aagcagacgc actccgccac ggcggtggag 120
ttttcgatag catgccgctt ctttaacaat ctggatgaga acctggtggt ggcgggcgcc 180
aatgtactaa aggtgtaccg gatagcgccc caacgtggag gcgagcccag cgtcaaaaagc 240
tgaatcccag cgagaatgcc gtctggcgcc caaaatggcg actgggaaat gcctagccac 300
atatacgtc ta 312

<210> 218
<211> 501
<212> DNA
<213> *Drosophila melanogaster*

<400> 218
ctgctgactg tcaaatgccg gcggccttag atttttcgac tattttcaat aaaattgtga 60
aataccagtg aaaaattaaa gcaaataaat aaaatgcagg agcaggagat ggaggtggaa 120
gtggggggacc cggcaaaggc gtcgaatttg ctgcggctca tcaagcagct gctgctggaa 180
aaagcttacg atggcgtgcg gatgttgttt caaagtgcc aggaatcgga aaagaacact 240
cggtgctgc cccacatagc cattgggacg tataccttga acgtgtgctt ggaaaacatt 300
tccgaccgag gtgaactccc aggagccaga actattcgac tgctctgacg agctgctcaa 360
gctgctggcc caagtacgcc cactgcatg agcttatgct ggaactgatg gaacgcttgg 420
aagagagtta gcagattcaa atggtgttcg gcgcctatct gcggccttac aaagttgtgc 480
tgcaacgaca gggacgcaca g 501

<210> 219
<211> 586
<212> DNA
<213> *Drosophila melanogaster*

<400> 219
ggtgcgaccg gcatgaaagt gacgaccggc tgcaatcatc aagccaatgg cgagatcggc 60
cactgcattt ttcaccaccc cgggagtgtg gcccaatggg attccccctct tctggaactc 120
cggaatatcc acaaaaatcga ttccggagga catggtgctc acgcaacgca gctgggatcc 180

agcagcatcc aggattccgg cattcagggg ctggtaatgg gcccaataga tggcatccac 240
 gccgggcacc ttctgcagga tctcatccct cgagggcggc acactctggc agatgatggc 300
 ctccgctcca cgggatcgga gcagttccag agccggtgct gggacatttg ggtgcgaaat 360
 cagcacttta aaagccctgg tcgcacgaga catttcgggg gaaaatatag cacttaatat 420
 caactagtag cggcgaattg caaggctgaa ctaaagtggg aaattttcca aatgaccatt 480
 caagcttttt ctgtgccccg ctcttaagct ttaaaagggt ctcttaagct ttacatttt 540
 taatttggtc tcactttttg gaaattcaca ttactatttt ctggcg 586

<210> 220
 <211> 176
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 220
 gaaggaagta agtagcaggc gtaattttat gtttcataag aatccgattt aagaatatat 60
 ctcaaccaa ccagcgcgat ggcattcggc gactatccag ctgagtacaa cccaagggtg 120
 caggggccct acgaccccg tcgcttctac ggcaaagggt agcagggttac gtaatt 176

<210> 221
 <211> 169
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 221
 cattaaccag aaccaaccaa tgtttgatct tcttatacgc aatataagcg atacgttttg 60
 ttttaacctt cattatttta tgaactgatt attaactgaa atggaaatac attgaacaca 120
 tctagcttgt taaacgtata atcgatcctc catgtaaaga taaacgctg 169

<210> 222
 <211> 546
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 222
 caagctgggc gacttaaagc ccgcataacc gataactgaa gtgggagagg taatggcact 60
 tgggtctctct aaaacttgct gcggtatttg gcaggactag ttgggactcg aaccagggcg 120
 tgaatctttg cttgccaac cggtaaacct aaccggttgc taaagtgggc caacattaat 180
 aatatttttg ttgaatgttt cataaaagct attttaatat aaattcgcat cgttaccgat 240
 tcaataaggc ttagtaaatc attatatttc tgactccata ttgatttcca acagcaaatt 300
 aattaactcc ataacttccc ctctcccttt ggagcaaagg atgtagttaa tatcttaaca 360
 tctaaacttg ttctgttttt ttattcaaat aggagttata ttaaatagaa atgtaaaaaa 420

| | |
|--|-----|
| caaagcaggt ttttaagaaaa tgatgtcagg agatttgaac tcctactcat ggtccactct | 480 |
| aatccgcagt ctttgcaatt tactgtgttt ccaacttaac gcccccaagt taatagccgt | 540 |
| aatcat | 546 |

<210> 223
 <211> 474
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 223 | |
| gtaaatcaaa cacaaataga ttgcttctga aaattatctg gaaactcaga gctccgaaga | 60 |
| gacgatgtga acacgacaag ccaactccggc agactgaccc aaacaaacgc cggcatttgc | 120 |
| aataatatta ttgtctaadc ggtatataca tatcatacaa gtaaccattg atgtaacata | 180 |
| cttttgggtg taaggaatat atagttgaaa agtaattcag aaaacatgca ataactacaa | 240 |
| tttattaaat attaaagtat cttgctaaga ataatgatgt gcaaatgcgc cttttgccag | 300 |
| agccatagtt atatcatatg cgttttgtat tctaaaatat caaaccaaat aagatgaagt | 360 |
| taatataattc gtagtacttt aaatcctgac ttacacgtca cttgtcgtct gcttagttgt | 420 |
| aatattctaa atcttttggg ttaatcagtg cagagttctc aggatgacct acat | 474 |

<210> 224
 <211> 534
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 224 | |
| ttgatgctgg ttgtttaact tccataacttg tctctctcgc tttagctctc tcttaggagc | 60 |
| cccaactaac actaacagcc ggggtgttcgt cccctcttta accacttttt ctcttactct | 120 |
| ccgtctctca ctgcgaaagt gcagcgtgaa gtgttgataa ggggcacggc gggggataca | 180 |
| ctctccggga tattgcgctc tctattgggg ctctcttaca ctctcactac gcgttggact | 240 |
| ttcagttcat tccatgtgca aaatcagaat ctgatatctg aaatacaaaa atgacaaaact | 300 |
| attgtgttta gttttgaagt acttataccta acattgatta attttgcata gatatgcat | 360 |
| tcatataactt acatttttat atgtttgtac gctatattca aattttaaat accgacaatt | 420 |
| tcctgatttt actttacgct acgtgttgtc tgaaaagaac caataatcga ttgattgtta | 480 |
| tagtttgtaa taaattcgct ccgcaagctt ctttatttaa gtgaccaatg aaca | 534 |

<210> 225
 <211> 507
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 225
 ggggattctt acgctcacgg actttcttct tgtactcggg atcgctgcgg cgcttcttgt 60
 cgaattaaat gcattatcca ataaacagag ttccagctac tcccgcgtgca atgccgattg 120
 cagttttgtt catttcaatc atattactac ggaaatcctc tgtattaact tggctcttatt 180
 ttacattccg catgtgccat cgatttacat aaaacaaaaa tcgatatcgc ctacaactac 240
 tgttgtttca tgtttttcac ttgtttcgca ctaatttgaa acggcggact ggaacactgt 300
 tttctttttt aaattttgct aagggatatt tatttaattt taagtaagag atttaaattgt 360
 atttttttta gtttattcag aaatactgtg ggatcaagtt ataatacgct aagaaataat 420
 cgtaagctca cttcttgtat tatatttatt aacttgcatt attcgcttaa aatcccctat 480
 cccccaaaac taatgttttt aattttc 507

<210> 226
 <211> 376
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 226
 cgtgagtgtg tacaaaatac aggcagcata caaaataata atattgaaag cgatacaaca 60
 acaaaggccg tcccgtcgaa gacgaaacgt ccaaaacgga agaactggag agcctgtcca 120
 gttaattacg gagcaciaag tagaatcgaa cagcaaaggt gagagagaga gtgaggaggg 180
 ataggggtca acctggctct ctgcgaaaga agacgggggc gaggagcggc caaatgatg 240
 atgatggaca ccatggacac ctgcgaatcg cagccgatgg acgtggctcc ggccgtagca 300
 gtggcagcca cttcgggcgc agctcttggg ggactttacc gctgccattg gtgaagcatg 360
 gcggccaccg cctaag 376

<210> 227
 <211> 487
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 227
 gaattcacac gccaggcaac ttttaagtga aagcagaaat tgatagatgg aacatgcggt 60
 gataggtatt tctcgatga actgattctg atataaatac taaggattct agatgctaaa 120
 ataatattta ttaagctaca aatatattta tatataatat ttaaatttc ggtggcggta 180
 tctaccgatg cacgctagat ggcgctaccg atggtgcaag gctgccattc gtttatcctt 240
 tttgacaata tggcagcgt ctaacggttt tttaaatttt aactttaaat ttgaaaagat 300
 attatttgtt tggtttgttc gttttaaagt gcatccaact agattatttt agttataaga 360
 aaatgcacct agttaagct tgctatttga atttcagata gctatttatc ggccattctt 420

aacgcaat t cgcacatgc gcctggagga tgctgtacgg aaatacctgg tgctctgggc 480
catgatg 487

<210> 228
<211> 354
<212> DNA
<213> *Drosophila melanogaster*

<400> 228
tctactgacc actcacaaat ccggactgaa cactaaaaac tgaaaactga aaactcggac 60
tcgggcgcgt aaggagtcg gtcgtcggga gtcggtcgtc ttttggtgat cttgaaactg 120
aaattccaat tggtgattta tctctcggct gctgcgccgc ggctgcgctg ctgcagcgca 180
gtccactcg atttgaccag cgaccaagtt tataaaactt tgagccaaaa tgcagcggcg 240
cacagttggt accaaaacgt tgcacgcgtc gtggccctca tcaaaacaaa aaaaaaata 300
taagcgaaaa tgaaaacgaa attcgggttaa cgtccacaga agctgacaaa aggc 354

<210> 229
<211> 471
<212> DNA
<213> *Drosophila melanogaster*

<400> 229
gtacgaacca tgccactttt ttttcttctc tttttttgat aaagaaatgt gcacgaagaa 60
tgttaaaacc ccagacgaat gaatcacaca caccagctca cacacacaca cactcacact 120
gaggccggca catgaatcgt cactgatttt caagtagaat ttttgggagt ggttcttggc 180
ctgcagtcac ccaactacat acatttgcta tcaatgccag cttgtattaa attaataata 240
taatattata aatatttttt ttatgtaaaa tgcattggaa ggcaccgcac tcacacacac 300
acacagttgc aagttggcaa cgacgcgcac tcacctttta atatgcgaaa ttaatcaaat 360
agtacgatct ctgaaaatta atcactgaaa agttactgta tgtttatatt tttaacaact 420
ttttgaataa ctaacttttt taaaccaagc caataatata aaataagaat t 471

<210> 230
<211> 480
<212> DNA
<213> *Drosophila melanogaster*

<400> 230
actacaacca aacaaatatt taaaagtga tgacaagtgt gaccgcgggc gaaccgttaa 60
aatatacgaa gaacggctga cagggtcggc gagtgcatgg gcacagtttg tgactgaagc 120
cagaaaaaat actaagcgtg actaaaatta gttcagtgtg tacatgttaa aaattactta 180
aatatttttg gcaatataag tgaaaacaat acttataccc gcacatcatt tacagtccta 240

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| ttgacatttt | aagttgtaaa | tatcgaaact | accaaaacga | aatatttgg | aaattatgaa | 300 |
| gccctgacaa | ctctgtagtc | gataggcaaa | agagctcgca | ccatgagcct | atcgttctca | 360 |
| gctgtttgga | acccaaaaca | aaggggaagg | actatcaatt | ggaaatgttt | ctggtgagga | 420 |
| ataataagtt | ctgaagaaat | gcaaaatatt | aaaaagctga | acggtccagt | tcattccagcc | 480 |

<210> 231
 <211> 625
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|---|
| <400> 231 | |
| ccaaaggcat | ccgatactcc cgaacttatg cgaaaaattg tgtcaaatag aaatttactg 60 |
| gttcgtttat | tgtggcccgt gtgaattgtg ttaataccgt ccgactcatt gaaacctttg 120 |
| gaatattcca | agcttaaaac acttgaatag ttcgccgtca acatccaaaa aaagattata 180 |
| tacttttaggc | tcattgttcac aaattagata tcattgtaac aaatgggggg atatgtttgt 240 |
| gtttatggga | aacttgatca catcaaaca acaacgtaac gagttcaaaa cattcttaaa 300 |
| cacaacaaaa | catttgcaca actaatcgt aatactcaac acaacattaa caaggtttct 360 |
| gtagatacgg | cttaagaata aataagagtc tgtaactaat taatgtaaca taaaatatgt 420 |
| actaagtctg | atagtaatgt agcgtacgga tcgcttaccg ctaataccaa atgtgagagt 480 |
| tagtcgcagt | gtggccacgt tacactttct acctgttgac actttcatgg tcaagatgtg 540 |
| tccgccgtcc | accagttttt ttcactttcg tttataaaat cctacgaaat tatatttcaa 600 |
| cctttctaca | cgcctttttt ttgaa 625 |

<210> 232
 <211> 435
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|--|
| <400> 232 | |
| aaaatactat | cgtgatcatc tccccactcg ctctcaccca ctgcctaaa ataatggtgc 60 |
| catcaagagc | gcagcgcacc tgccgtatat cgttctcttt tgcactcgct cccgctcttg 120 |
| gagcactcga | cagcgacgcc ggcagcgacg tcgagccggt cgagcattta agcttacgac 180 |
| ttgacgaaaa | tcaaatcaaa agatcgacaa cattcgacga gtgcagatca ccagctaaaa 240 |
| gaaaaccagc | tgagacatcg gaaaagtccg cagattttca cgtaacgcct taaagatttt 300 |
| ccgtgcgggt | cccgaacaaa ctaaacatta ttaacaaaca ataaacgaat ttgtagtgtc 360 |
| agtgactttt | gaacgcacga acaaattccc aaacacacca ccaaacgtga ctgtataatc 420 |
| agccccaaga | aaccc 435 |

<210> 233
 <211> 393
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(393)
 <223> n = ambiguous/unknown nucleotide

<400> 233
 cgctattaac tgttttgatt atatcggcgg tgataaaacg accggcattt gttgttgctg 60
 ctgctgctgc tgctactgct aatgtttcgt tctcggncgt tccccggccc gcttctgcac 120
 ccaccgcccc gtgttcggtt cccctgccga agcttcggcc actgctgctg ctgctgctac 180
 tgctaaatac gctcgtatta ctattaacac tattctcttt tgttttcgcc cgtttcgccg 240
 acgactgcag cggcacgaat gctttgtcac acttgcgctg ttttcgccga attatggcca 300
 ctttttgccg ttcttcgccg ggccggccaa ttttggaagt agttgggctt ttttttgtg 360
 aatttctgtg atttttccct tgcttttctt gtt 393

<210> 234
 <211> 522
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 234
 ccaatccaaa tggaatgcc ttcaatgctc gtctgcgatt gttgaatgtt taaacaaacc 60
 gatcggcgca caacacaccg tcaccatggg caataagtcg tcgcttttcc tgcggaacga 120
 ggagatcgcg caaatccagg aggagactgg ctgtgagtac gatttctggt cgggatgtgt 180
 gataaccttg ggctttttca accggagact ttcaatgcgc cgtactaaat cgaaatacgc 240
 acttgगतat aaattaattg ggccacgagc aatgcaaaca acaacatcgc actggagtgc 300
 taaaagcatt tcgggtccaa gaccatggga ttgccaaaat ggattcgctt agtttcgatt 360
 cgtcatttct ataaaaattc caaatctacg aactatatgt tcgtgttcta aaaaactccg 420
 ttcaaattat gcagaactga gtctgagcga tctgtgcccg ctttatatta gcggtatatg 480
 gacagatggt ttgcagcaaa agcaatttgc atttcaatgc cc 522

<210> 235
 <211> 596
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 235
 agtttcccc tgcctcatcta acggtgagcg catggcccca aaattcaagt acaacacaaa 60
 cacaacacaa cgagggggccg aggtaaaaag cagcagaaaa gccagcagca gccgcccgt 120

| | |
|---|-----|
| cataaatcta gcaagaaaaa cctaattaat tcaattaatt actaccaaaa tcataccggc | 180 |
| atacggttaaa taaaaacccg ttcgggtctaa ttaaaattta ccaaaaatca ctgctttcat | 240 |
| ttaaagcgat ttttaagtga attctattga tttgtataat tacataaaaa gtgttgcgga | 300 |
| aattgactct ctctatcttt ctctgcaa at tttcacgcgc cgatgaaaat tcgcaaaaga | 360 |
| tctgtattaa atcatcaata aaaatagcga aactaacggt gcaatgaatc cagctgtttg | 420 |
| aaatccgcaa cataaaaagca aaaaacacaa aactataaaa caacacgcac cgaatcacac | 480 |
| ggaaacaaca acaacaatag gcatgctcct tattaatatg tacgaaaaaa cattaacat | 540 |
| aggaactgcg aaagttaata atggcatatg aatggggaaa agtgaaatac acacca | 596 |

<210> 236
 <211> 473
 <212> DNA
 <213> Drosophila melanogaster

| | |
|--|-----|
| <400> 236 | |
| acaccacctc aaaattgatt actcctaaca aaaaccgaaa aaatacttga aaaataccca | 60 |
| atcaacaaca gcacacaaca aataccaaca ttttccttat acaaacctca tctgattagg | 120 |
| ttcttcgtga aactttcagt tacagcgccc tttttagagc agttagatca cagtcagtta | 180 |
| gtcgagagtc ttaggggttat ataaacacac catttacagg tcctcacagc actacaaacc | 240 |
| aaaaactgca agcaatcaca ccaaacaaaa gcgttatact ctaaacatta ctcttccaaa | 300 |
| ccaaacaaaa accccaccaa atcaaaaacc aatccaaatc gacacgaaca cgatcaacga | 360 |
| aaagatgcct ataggtatgg ctacgatgtc ggtaagacgg caacttccat cacgaagaac | 420 |
| ccgcggtccc gaatgggagt tacctacggg tggctatggc ctgatcgaac ccc | 473 |

<210> 237
 <211> 141
 <212> DNA
 <213> Drosophila melanogaster

| | |
|--|-----|
| <400> 237 | |
| ctaattgcttg attgtgatta tctggaatat tccactggaa aacgtgccgc ttcccactca | 60 |
| ctgcagtcac agtctacttt cggttgagtg agtatgtgtg agagaaaacc tgcgtcctct | 120 |
| gtcgcgggggt cttgacactg a | 141 |

<210> 238
 <211> 355
 <212> DNA
 <213> Drosophila melanogaster

| | |
|---|----|
| <400> 238 | |
| ggctatgggt tattgaccgc tcgatgtctg cgtttgggat tgcgggtgag acgtaggaga | 60 |

agtacgcggtt gttgcgctga attgagagtc ggcgttcgtc atgctcgcgc tgacgctggg 120
 cgcgagtgtc attctgactc atagttttat tatttaagat aacaattcac tatgtattta 180
 agcgatcttg catcgcatag agcgtctctt tcgctttcag attttttatt tagttttatt 240
 tatttggcgt tcacttcact caaaacaacc gattttgtgc ggagcacgaa aaaaacgtct 300
 tcacacgtcg gggatcgaat tatttatccc cgatcgaatt atttatcgtg ttctc 355

<210> 239
 <211> 626
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 239
 caatatcatc gcaatcgcat tcgagagccc tataaaccgc atagagtgcc aggatttttt 60
 gatatccata tcgtgcgcgc agctatacta ttttccccct ttgttgacgt cgcattgtcg 120
 tcatcgtcat cttgtgaccg tgtctattcg agtccgaaaa aagaaagaaa agaaagtcgt 180
 aaaatataga aaagaaaact agttggggag gaggagtcgc acacacagac acacacatac 240
 acagccgagc ggagcccccacacgcacaca cacacaacca aaggcgaatt gcagtgaagc 300
 aacaaaaaca acaataacag aaacattgca ggtgagcgaa agagtaggtg ggagggggcc 360
 acaaacatat tttctgtccc tctttctctg ttggggcttc tttttcttaa ataataattt 420
 tccgtaatta tagatcccc ttgtctaaac gtaattcccc gctaaccgtt ttttacaact 480
 ttgcttattg atagcgcttc ctttggcctt tgctctttgt tgtttttttt acaattgaaa 540
 actgccgtta gccggtcaag ttgattagtc catttggatc cagggttgcc aggggcttgg 600
 tgaaactggt ttatttttggg aagggg 626

<210> 240
 <211> 433
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 240
 ttgggacgtg tctcagattt ctatcgacta gacatcgccg atattcgaaa atgctcttcg 60
 aattatcgaa atgtaggcat actgcaattt acgcgcgcaa cgcaaaaatt caaataatag 120
 aatatttggc tcaacaagac aggagacttt agatggaaaa atagaatcca caaaagcaaa 180
 actatggaat aactaaaacc acttttcata aatagtacac acaatcgatt tatttcgttt 240
 ctttttgtat ggcaaaaatt aatacaaaaa attaaatatt aaatgtatgt atgtatgtat 300
 aaaaagctta aagcaaacta tataatgtaa atttaattgg ctgtttgttt ctctcccgat 360
 tgatctgtca gtatgggtaa gttagaaaga aaaggcaatc tcaagaaact catacggaat 420

<210> 241
 <211> 401
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 241
 ttcgtgatta tcagcgtaa ttgtacaata ttatgattta ttcgagctgt aaatcttcac 60
 agcaagcaca aactgtaatt ataccactta gaattccatt ttaatggctt tatttatggg 120
 gcgtgcatgg gcagcatttt ctcgcttttt attttttttt tcttgatttt tgtatattta 180
 tgagagtgcc gtctccggcc acaaaaagtt aatcccacta aatgccgttg atagtttata 240
 ttacgatttg ttgtgctggc taaaatgaaa gatattgggg cattttaatt ttagaattgt 300
 gacaaatgcg caactttttt ttaacggctg catatgcgac gaatgatcca agttctagtt 360
 ttatgattga atttcattgt ttttcatttg gcttaatgag a 401

<210> 242
 <211> 368
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 242
 ggtggtacac aaaaatcgat gcaacatatt tttgggcccgc ccaatgtcac ggatgttttt 60
 cccaactttt taatgtgtta agctagtaga taatttatta tatatcctac aacttacaga 120
 aggcggccac aatgcccagc aatcgacttc catatttgag ataccacggc tgctccggtc 180
 caattggatc ttgttgattc ggccgtgcca gcagaccggt tatcttttcc gcaaacgact 240
 gatccgggaa atagacggaa atagggagaa atctaaatgc aattaggaaa aatcgaagca 300
 caattttgta ttgtgacgcg gcgggcgctt tttttaacac gcacacattg ccacgacaaa 360
 aaacacac 368

<210> 243
 <211> 321
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 243
 aaccagatcc gcagctgcag ccattgtctt ccaatctcac acgcacacac acacaggaac 60
 aagcacgtcg gtggtgttgt tgctgttgtt tttgttgctg tgcgtctga tgtacaatca 120
 gtgttggtca acaatttcgt gcttgaattg gtcacacacg gttgccgtgt acgcggtgta 180
 tcgataaccg atagtaaaca tgcattggga ttggcgccac aacgacacgt ttaaacaatca 240
 accaaaccaa accgaacgta tttagaactc caacaaaata tctgctccac gttgaattta 300

<210> 244
 <211> 469
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 244
 ggccgagtaa caaggatgat ttggggctaa aaaacgccaa aagcgggagc tgtcaacatg 60
 tgttctaggg ttaccgcagc gcgcgcattt cgtgtgctaa aaagtgaatt ttagatttaa 120
 attgagatcg agtttttaaa ataatggctt agattaccgt agtctttata tatatatata 180
 gcaacatagg tgaaatagaa aaagtaacaa ataaatattg aacgtaataa aagagggttac 240
 agaacatata ataaataatt aagttaatat aataataata aaccgaagat gttgaatact 300
 ttagacttaa atagcaatac ctccagcgaa agcctccctt tataatttat caaaaaaaat 360
 taacctatct atttggata ttcttttagaa ccgctttaga acattcatcc taccacgggc 420
 acactttcgc ccaatcagct gagaaaatat tttaaagttt taaataata 469

<210> 245
 <211> 383
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 245
 ggtggcacat gtgctcaaaa aggccgaaga cgggtgggaga gggagagcga ctacggcggt 60
 gccagatctt tggatgatga cattcaatag ttacttttaa caaaaatagc tagatcataa 120
 aatataatga attgcaggat acaaattcag ctgaactact ggtcagaaga atgcttgtat 180
 taatattaca catagataga tagttattga cttagaatta aattttgtat attgaattgt 240
 taggaaataa ctattctttt gtatcttaaa gaaaagaaaa ttattcatat taaacggatg 300
 ttgtcttgag actgctaacg attttaatag acctgttaag ttgttagcac ataaaataaa 360
 attattttga atccagcatt ttc 383

<210> 246
 <211> 489
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 246
 aaccagaacg aaactccaat gcagtttcat ttgtcagtt taatcattaa acaaagaatg 60
 cgcaaccgat cgcaactagc tcgtggactc ttgttctccc aataattggg atgttttcca 120
 ttttgcgta acatggaaaa tgtgtgaaaa gctttttccc cctccaaaag aagcgtactg 180
 aactaagctt tcggtgggta gtaatagtag tcgttatatc ttatttttct tatttacgtg 240

cagctgcaat cattggctgc gtcacttttg cgtcagctat aaactggtgg atcaactcgg 300
 cggcctccaa aagctgcgca tctgctccag acacttttagc caacgccagg agatggccaa 360
 aaccgcgcatc aagatgacgc cgctgcgcaa gtctctgctcc tccaagggca ttgtgctacc 420
 cattaatgcc gctggaaggt tcggtcattg caggcgctt agcaggaaga agaagttcag 480
 gaatgggaa 489

<210> 247
 <211> 417
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 247
 gccgtatgcg aaacggcgaa tgctgtcaac gcagcgctgc gcgaatccct tggcggcaac 60
 tcctccgccg gctcgtcgac tgaccaggcc aagagcggcg aggacaccaa cggcagcctg 120
 caaaatcaca tcgtggccaa tgccaaacgc atcctgatgg ccaaaatcga atacgaggag 180
 gtgcccaact accacgaatc ggtgctggag aacctcaagt ccaaatatat tgtcatcaag 240
 ccgggaaaatc caggcgccat caatggcttt agtggcaaaa acaacacagg caaacttggt 300
 gggcgcaaat ggacatggtg agttacactg tgttaaagat acaacaaaat gttaaaatcc 360
 aaaagttgct tgcaaagtgg cttttccctc gtccgtgttc ctcctttgtg ttgcaat 417

<210> 248
 <211> 427
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 248
 accctggcca aatgggcggt aagcttaaga tgagcgtgaa agcatagatt gctagtcgta 60
 aacgctgaat gaattttaaa tgaatgaata tgtcaaatga gaatatttca tagttttaca 120
 tattgtaatc cactaatata tcaataaaag tttaaatatt aagtttcggt tttttctat 180
 tacacattaa tgggtccctc aaaaatagga agtcaaagag ctcgaaatat cgataccatc 240
 acagtgtgac cgctttggaa ataccgcatt cgggtattttt cttagcacga atttggacta 300
 aatgcatatt acaagtcac ttttaacaaaa aaaatttgca ttgaacgtta ataataacag 360
 ttacttgctt aaatccaatt cggctgccga aacaaaagct caattaatag aaacctaata 420
 ctatcac 427

<210> 249
 <211> 459
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 249

cggcagcaga atagggaaaa caggcgacaa tcacgttaca acaacaacag cggcaciaaac 60
 agttcccag agtgcgggag agggacgcaa cactactaac agtgggagca tgcagcaccg 120
 tttctttcga ctcacgcgac agcttgcagg ggggagcgga aggcttaatt aaatgtgtca 180
 catggagcac agactgtttt gattcacaaa aaaagatatc gccttatttc acttatatgc 240
 tccccgtttt cttgtcggta gacacgcgca acgcagcaaa atgacgaat gcgatcgagc 300
 gacgtgtaca gactgagaag cgtgcgaatg cgagagcggg agggcgccac taacagcact 360
 gtgtgtgctg ttgcgacgca agcccaaagt cgcgagagca gcctcgatgc agctgatctc 420
 caattagaat ccattccctg ttattgttat tgctggatt 459

<210> 250
 <211> 438
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 250
 gcccggagca ctggatttca cgagctccgc cctcgaagat ttgtgctttg cttgactaat 60
 tggaatttat tgcagggtggc ctatatatat gagctgttgt gccggggcga ggatcccagc 120
 agcgagagtc ccgaattttg gaacgagttc ttctgctgc agccgaactt cgaggcgctg 180
 gagaatgaga ttggcaaact caacaacgag cagctgcagc tggtgaaacc gaacctgaac 240
 accctcttcc agaggtgcat cgaaatgctt gacacgggtt agaccagttt gacctattaa 300
 tatatacctc cagccaccta taatccgtga tttccccag aaagatcatc ctaagcggct 360
 gtgcaacagc ctacacagc tgtgctccct gttctacggg atctttaaaa atccaaccaa 420
 aaccacatt aaacatcc 438

<210> 251
 <211> 387
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 251
 gttccactac tctacgctaa atggctatgc ttgttagaat tgcacatata ttttatgtat 60
 tttatttagc taaacacgga gacatattcct tacacgatat ctacgagcga cgcgaccagt 120
 gtgactgcgc ctacacaatt gaaacatgct acatgcagtg tgaccgttct tggctcaatg 180
 gaaaagctct cactcatata aaattcaata atagggttaat aaaaaaaaaa tactgactta 240
 ttttttaa at acaaacgtat ttactctaac aatataagta aaaagctaaa attatttta 300
 tgtttattta ggaaacctat cgatatatcg atacacatgt ttttttggcc accctagaaa 360
 ttgctaacgt atttttagca acaaatt 387

<210> 252
 <211> 135
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 252
 gtccgatcca tatttttagca cagaaattaa gtaaaatatg gcggtttagt ttgaagttct 60
 ttgtttttgt tgctgcccag tgttaccaag tggttgaatt ccgcgtataa ttaggagact 120
 ggagagtggg tcaca 135

<210> 253
 <211> 207
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 253
 cccgagagga gcagacaagc gaactggact gggaaacagc agcagcagca gcagtcgttt 60
 gaattgaata tcattcccca tttcgagcta aacgtcgttg agagccaacc aggaagaatc 120
 caacggcgca ccatgccttc ggctgcaaat accgctactg ttaccgctgc aattgccacc 180
 accgtcgccg ccacagccag caacacc 207

<210> 254
 <211> 574
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 254
 taccagacag ctgggcaccc gaaggagtaa gagagacgga tgtgaagaga gagtcttgcg 60
 agagcgaaca aatcggagaa ggagcgagcg tgatatgaat atatctaatt actttcacct 120
 ccttaagcat aaacttggtt caatttatga aatcttttaa gttactttct gcttgatagt 180
 tattcataat tgttatatta taatgaatct tcgcacatgc ggcatttctg cgcaagtgct 240
 tgaagagagt gaacaaggga gagagcggca agaacaagag aaatggcaaa caaacaaaag 300
 ccacagacac agctgtctta tcacagggcg gttttctgcc accccctttt gacttgatag 360
 caaagacaac cgttacttgt gggtttgtgt cttccgataa gtatgtttat aaaaattcaa 420
 ttcttatatt tttatacata ttaagcattt ataacaagaa gagaatgcta tagtcgagtt 480
 ccccgaaata tcagaatacc cgttgctccc gttacctaaa ttaatataat atataccttt 540
 aaaaccgcaa ctgtagaaa cttgttgga aaag 574

<210> 255
 <211> 247
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 255

ccccgccgc aaacgaattt tctttttccg gtgaactagg ggtgtgggtg gaaagagaga 60
 gtgagaaaga gtgtggagtt ccgcttgccg gcgcttttct acaactattt tgtcattgcg 120
 cctctctgcg ctcttcccgc attccgcctc gttcattcat tcattagccg cgctctttct 180
 tactctctgt gcgcatgcct tgtgcggcgc tgcttctgcc ggcgtcgccg tcagcgctgc 240
 gttgttt 247

<210> 256
 <211> 127
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 256
 gtatgcttct tcgtatgctt cctcgtatgc ttcgtgggcc ttatgagtgt tcacccctacc 60
 acaactcggc catcctgact agctgatccc ctgatcatgg ttacattga ttgcttagtt 120
 gtatgat 127

<210> 257
 <211> 1022
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 257
 acaacccaaa ataaaggtaa ggggaatttt taattaaaaa attagggaaa ataacaagtt 60
 taagttgccg gaccagcca aaaaacaaac aaagcaacgc ttgtaaaaac tgaaaacaac 120
 atttcagttt atttcgcttc gtgccatgtg agcaacttca aattgatatt gaatcggaat 180
 cagtgtgcgg gtggtgctaa ttagcggaag acggcaattt attgaacgcg aaaaaagccc 240
 cacaatccaa cttccatttg gacacgaaac caaccacccg ccaaatcaaa tcgccgtcga 300
 gttgtgcatc aaatgaatgt gcgaaaagtg cagtaaatca atgtttttgt gagtgtttga 360
 aagaagaaga cggaaggagc gccacaaca aaagcaaaga gagcaagacc taacgggaca 420
 cccgaaacca aaaacctatc ggcacaacga cactttctca atagctatag ttttagttca 480
 tatgttcata tctcgaaaaa tggacgaggt ctttagccta cacatggaga aattggacgt 540
 ttacgacggt tagtatctaa tttgccgga gttctactta aacgtagaac atatgtatat 600
 gatggaatct gggttgtatt tctgattaat gagttcatca actttcaagg aaataataat 660
 agtagtagta gttgtaaaca gctgaagtat tgggtataaa ataacactga tatgggtaaa 720
 atcataatag acactttatt tgattcaaga ctcgcatgat ttagctgta tgaatcatgt 780
 cgaaaataat agaaatcact attactaaat atagataatt ttaaaattta gattcagtgc 840
 aacatggata cagtgattaa gtgttacaat ataaacaaaa gtaaaagaaa agtacaacaa 900
 gaaacaagta tttggtgaga aatgataaaa actcaccaat aatgaaaacc atttatgtag 960

gattttaaca aacactgttc tcgtctgcat tagtgcttgt ctttgtaata gaattcgaac 1020
 tt 1022

<210> 258
 <211> 497
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 258
 acataaacia acggagctcc gatatctaaa taaatattat ggaaatcgca ccaactgatca 60
 ataacgccgt cgctgtcgtc acagcctctg cctctgccgc cgtctctgcc tctgctagcg 120
 tcggcagtag cagcaaggat gataacggta ggccgggtctc tagatgataa gcggtacact 180
 tccagtgggt tcataataaa ctataaaaat aataaaatat atgtaaatac aaagcataaa 240
 gtgtagtacg tgctcgaaag agtcacactt tctcggtaaa gaacttcacg ttctatccat 300
 attatatgat tattatgttt caaaatcctt tataatcaaa agcgaattag acaatcagaa 360
 tatctccac ccagcaattc ataatctata taaaatatag tcagaatatt gcaatcatac 420
 caaaattaat accaacccca ggacttaagt ttttggtttt aatccaaata tatccatttg 480
 tttctttgcc ttaattt 497

<210> 259
 <211> 411
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 259
 tgtgttggtg tgggtgtagt gcttggtgcaa cttaaaaatt caattgttta ttgctgggca 60
 aaactggtac cgtgtaccgc gtacctggaa aacaacattt aaagcgaacg ccaggcgaat 120
 cgagagttcc gagcaagtgg gcaacaataa tgtgtcgctg cggcgctgc tcatttccac 180
 cgtgataata atcggcatag ggttccgacg cgaaagccac aagtgaaagt ggaatgctct 240
 gcctatccgc gttagtggc atagtcttca acaccagcg aattacatct ctccgactgg 300
 atatgaagat atcgtgagta tttccctctg gaatcaatga aatgaaatgg tgtgcctagt 360
 ctgtgatgat aaggcagcta ccaccaccac gtccatatcc ggatgagcagc c 411

<210> 260
 <211> 230
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 260
 tgtgggatat tatattaatg gaaagccaca accaaattat aactgtttgt aaactacatt 60
 taaagacgta gttgaaatag aaagaggtaa acttacagat ttgaaatgaa tcagtaatcc 120

aataatgtgt tttgtttgga atatttccaa aatgttctca acggaagagg caagaacaca 180
aacagaaacg gcacaaacac aaagagataa tttggcagca taaaagagcg 230

<210> 261
<211> 331
<212> DNA
<213> *Drosophila melanogaster*

<400> 261
ctgcagcgtg tccagcgccc taagcggcct tcccacttca atgaactctg tgacgaagag 60
agcggcgtcg agttaagaga gcacacgatt cgcgaagacg aaagtttctc ttcagacacc 120
gcatggaaaa ttttcagcac tcaccattag cccttttttag ggcgttttcc ggacgttgcg 180
tatagcgggc catttccgat cgctttactt acttgcgggc gcacttcaag ttgatttcga 240
tagcaggtct ggagcgtttt gagacctggg gctgctgaaa attgtataaa tcttcggctc 300
gcctacgtgt ggctgcaata ttaatgcaaa a 331

<210> 262
<211> 687
<212> DNA
<213> *Drosophila melanogaster*

<400> 262
gagagggata atgggagatg gcgaatagtg ggaaagaggc acctgaaata gataagcaat 60
gagcaccact caatttaata tggacaactg ggccatttta agaagcaaata aatgaatttc 120
aatttagttg tatattcttg agattaaatt atttagggta gcacaatgac acacatgcag 180
ggtgatgggc taagacaaaag cttttaagag agagggagag tttgttgacc tcattctcgg 240
ggggttgagt gacctgtttt cgagtagttt tgagtgattt gttcccagtg tccaggtagc 300
ttgatttaaa ttagactgtt tattataact gcattgtggc ttttatatgt tttacacaaa 360
ccattcctaa gcgccctacc tatatcaata ttggtttgag agcagttgtg ctctcttaca 420
ctcaagtagc tcttttaatc tcttccactc attcgctact cagtcgccat ttttcgccga 480
gcgctgactt tctgccgttg ctgcttctgt tcattcgtgt gttggatttt gagatgcgtg 540
cacagctgaa aagtaaaata atgcaaacgg ctgtatTTTT tatatcttcg ggtccactgg 600
gtacatacaa atgaaaaggt gcttgctgtt atatacttcg aaattatcac gtttgcgtta 660
gaccgaaatt gaagaaatcg attactc 687

<210> 263
<211> 441
<212> DNA
<213> *Drosophila melanogaster*

<400> 263
agccggggcaa cgaattgaag cataaacaac cgatgtcgct caccgatgtc ttggaattga 60
acaaaacgga gttgttcgcg aagattcgca atgggttgcc cgtggtgcaa aggactcaga 120
acctgctgga ctgcaaggac gatctgctct ttgcctggca cgcgaaggac agctgtctgt 180
tggttcgcaa ctggcgctca tcgctggcgg caaaggtgaa tatccagttc cagacactga 240
ttccatcgag cttggtgagc ctggaggtgg accgcgtgct ggcctccaac gagggctccc 300
tcgtggcact aagttggacc gcgcggcggt gtcataatgg agctgccccg ccgctggggc 360
cccgatggat actacaagga tggcaagcca gttgatcacc tgccgcacgt tcgggctgga 420
cactcagctt ttcctaaaaa a 441

<210> 264
<211> 40
<212> DNA
<213> *Drosophila melanogaster*

<400> 264
cccagtcgcg ggcgatatac ttcggtacta cggattgtgg 40

<210> 265
<211> 564
<212> DNA
<213> *Drosophila melanogaster*

<400> 265
atctcaacga ctctacttgt tattttacat aacctgcacg gcgctaaaat gagcatgtta 60
tcgataaaat atcgatgcaa ggcgtgcagt taagaaatatt atttaaaaag gtatagggtga 120
atacctacaa atgtaattca tttaagttac tattaatatt tttctgacta tataaaatta 180
aattaaatcc tcagaactcg atatgtcgat atgtaacagt gcataactac gcttattggt 240
acaggggtgg ataggctaaa gagaattgcc cgcataatatt atttttaaaa ccattttctg 300
ctaaacgtgg tgtaaatat ttattttatt aatttaattt atgatttatg atttatttta 360
ttaaagctg taagaattat attactgatt tctatgataa tcacgaagcc tatacttttag 420
cggttattca ctgtgctgcc tatcgttatc gaaagctttg ccggtttatt tacattttgg 480
cgcattaaac caagcaaattg ttttaaaaaa cctcaatttc cgtgtttttg cgccacagca 540
gcagcacaaa agaattcccga atcc 564

<210> 266
<211> 404
<212> DNA
<213> *Drosophila melanogaster*

<400> 266
gtctcgtgtg acgtgcgagc gcagaaagtg tcgtcttttag attttgtttg tgcacttttc 60

gccatttccc tttgtattcc gtcgagtgag gaacagcgga agccagggag cgcaagagtt 120
 gccgagaagc acctgcaaaa tagcggcacg agatcgccag aaaaccagaa aatcgcaaga 180
 agcaaaagcg accgggtcaa cacttccaca cgcaaatacc cagagccccc catcacacac 240
 acacacacac aaacatccaa cacttgttgc agtggtcgat gagaaggggc accacagcga 300
 taagaggaga agggacgaag gagcaggaag aagaactagt tgcctaagaa agacaccacg 360
 cgcattcttg tatcagcgaa ataccactg caaacgttta gaac 404

<210> 267
 <211> 454
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 267
 ctctagaaag acaacaaatt ttttggcgag cggacgtgtc ggcggacaaa aagcttgcaa 60
 acagaacaga acggaagaac acagaagaga acgacacgac acggacagcg gggaaagggtg 120
 gcaattgaaa gaaagtgcc aacttagtgt gcgagcgaaa gagagagaga gcaaaactggg 180
 tattgcttgt gtgtgtgtag tagtttagtg gtcgtgtgtg tgggagtttg tgtacgaagc 240
 gagtggcaaa ggaaaacaca acaaacatta ttccaaggaa atttccaatc atgtcgggtgg 300
 aatcctccag ttcggcggtc caacagccgc cgtcgtcttc gaacctaccg ctctggggcg 360
 acaaccaggt tgggtggcca cgaaccagct ccgcctcttc gggctcttcc tcttcacat 420
 cgtcgtcttc ctctccggt gggcggcgca ttgt 454

<210> 268
 <211> 253
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 268
 gttcggcgct cagttgcgaa tctgcgacca aaacgttttg agtttctcag gtaagcactg 60
 gactctggga actggttttc gctgttatca gtgcgaccag ttgcactttg cactttgacc 120
 tgcatecttc acaccagtca cattccaggc acatctctgc accaccggca acatgattct 180
 ctccaagccc ctgtactcgc tcttcggcac ttatctggag cagctcttca accaccgggt 240
 ccgcacccaaa tcc 253

<210> 269
 <211> 380
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 269
 gtttcggctg tggacatgaa cggcattacg tttttcaact cggccgcgcg aataactcga 60

| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|-----|
| aaaaggcagc | tccgcagcca | aggcattttg | aaaaacacaa | gtccccgact | cgaaacgcga | 120 |
| ccaaataattc | ggtgtgtgac | gcgaactgcc | aatgcaatag | ttcacttaag | aattgcagat | 180 |
| taccgcgact | ctgggcagtt | ctcattcgat | atttgaatgt | accaaaagaa | aagtgccaga | 240 |
| accagaaatc | aaaataaaaag | atctttctaac | agaataacaa | gaagtgtttc | ctccgaaaga | 300 |
| ttaaaaaatc | gcgaatgatt | aagaatcgcg | gcaccgttag | ttccctctct | cgcttttccc | 360 |
| ttttgcgctt | ttctgcgttg | | | | | 380 |

<210> 270
 <211> 398
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|---|
| <400> 270 | |
| ctctgttcgc | caaccaca acaaatcaaa atatcagtgg tggggcgaaa aaatgcatg 60 |
| agccatcgat | agttcgataa catcccgca acaatctagc ggatgcaatc gaatttaagc 120 |
| taagtgttaa | atgggtgtaa atattacaaa tgtaatctta tcatgttcag ccacacatcc 180 |
| ccaatcaacc | tgatacagta ctttaaatat gacgtaatth ttaattatg cagtgaaaaa 240 |
| gttacatcgt | tgtgcactaa caaaagaaat accactcaaa gtggttaagat cacgaataaa 300 |
| gctgcgtata | aatattaaat aatttacgtt gtatttttgg taatgattga agaaacattc 360 |
| gttggttaa | ac gaataaggcc tcacaaggct tggcgatc 398 |

<210> 271
 <211> 496
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|--|
| <400> 271 | |
| gctaaagccg | tttttttctc ctgctttttg tttttcgtct gctttcgtgg ttctcatcta 60 |
| caacatggca | catcagtttt ttttttttta caatgtcaat taattctata cttccatttc 120 |
| gaatgttttt | tgaatacata acatacatgc tattttcaga caaacccaat ttattctgtg 180 |
| tttctgccat | gtgcttcaag tgttgccctc ttttcgcttc ccttgtctta aatccggcga 240 |
| ctgtacagta | gttcagaatt tatgcttact taattgctcc ttctttctct gaagtgtga 300 |
| cgaattgggtg | aatgccgcgc aaatcaaaca ctctcccg tcaatcgctt ttaggcgaa 360 |
| taaaagttgt | aataatgcc aagtttggg cagttaaaaa atcggagata tctccccgcg 420 |
| acacaaaaag | ccgtgcggac tgcgcgaaac accaaacagc aactaaaatg agaaacacag 480 |
| tcccctgctt | aaatat 496 |

<210> 272
 <211> 546
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 272
 cccgtgcctg tggagctagt aaatttcgtg ctcggcgctc atttttatatt tagttaacga 60
 aacgaacgaa ccagcggcgc gctaagaaat ccaagaaata ctatagcaaa aacactcagc 120
 cgaggcggaa ataattttgc tgtagttctt ttttgctagc gtgtgtgccg tcgaaaaaaa 180
 aagatataat acaaatcaaa ttataataa ttttctccta tgcgagtacc gaaacgaaat 240
 caatgagcaa agaatcgtgg gttttttttt tgcccatata cgaacaatta aacgaactct 300
 ctttgttatc agtattgcac aaataaataa aaccaatca cacaacgaac aacgaaagtt 360
 agtaaagaga ataccaacga aaaagttgaa aaagtcagtg agttgaaaaa agttaaagtc 420
 ctgcaagttt gaaaattgcg gaaggcagaa agtaaagtct atatgaaaat atacttgtac 480
 atattttcta cagcctgtgt gtgtgtctgt gttccgaaaa gcctctcatc ccaatctgaa 540
 tcttca 546

<210> 273
 <211> 534
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 273
 ctacgtacta tttttctcca cataatatat atgtattaat actagttaga atatgaaaga 60
 actgtttact caccagagcc tcgtgacccc aactgttgct cttttggtga tccttgagca 120
 gctgcagcga tcggagaacc acttcgcccc gttccgtcgc gtagatgttt gtgtactccc 180
 ttaaattttg ctccaaccag tgcgatatgg tgtacagctc ctcgcgctc gtttgcgaaa 240
 gctgccggaa tgaggtgtat tcatcgctgg aatcgctctc tatgtagata agatccagca 300
 actccaccgg cttcagcgga gcactgtgct tcttgaggag catactatag tgctgactca 360
 ggccttcgca gccggtgtta aacaaactgg tgacattctc cagctccacg ctctgggaaa 420
 ttgttggtgcc ggaagtaatc gttggcatcg cgcagtttgg ctagtgcgct gaggaacacc 480
 gagatgtttc cctccaccgg gcattgatga atcaactggc agacctcttg gaga 534

<210> 274
 <211> 535
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 274
 atcttgacaa aaatttttgc aagcgcataa aattaaacaa attgtagagt tgtggacaac 60
 aaatcgccac tagaataact ggaaaaaagc gaaaatgggt agtactagac aaacgcgact 120

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| cacttgctcc | gcagcagaga | ctttttaact | cgcaccaaac | cgaagattgc | gtctttcggt | 180 |
| ttcccgtaga | atttgcgcac | tttttcggaa | ctttcacagt | ggcgttgtag | cgaccgctct | 240 |
| tgggcggcat | aagggttaag | gggcatgtgg | gtggctacgg | gtggagggtt | ccgcggagca | 300 |
| ccccgtcgtg | accttgcttc | catttgggac | tacgacgtca | cagctgccag | ctccggcggg | 360 |
| tagatacaca | tccgaattaa | caccacgcgc | tcccgcacct | ccgattcgcc | gctctccatg | 420 |
| gaagtggaaa | tggaattaca | gccctttggg | cccacatgcg | gattttacct | gggggtggaa | 480 |
| aggaaagggt | ctgaccatat | agcatatgat | catcggtatt | ataggatagt | ttctg | 535 |

<210> 275
 <211> 449
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|---|
| <400> 275 | |
| gggtggacca | cccttataag cgggctctcg ggccgcaaga ctctcataag cattcaagag 60 |
| ttgcttacgt | tcgggttcggt cgcatttctt ctctatctta tataatatta tattttctcc 120 |
| taaatcaatt | ttttcactac caacaacaac aacaataata acaactcaac tattctcaac 180 |
| tcgcgtcaac | cttaacttaa ctttctcaaa aacaacaaac tacaactcta ccactacaaa 240 |
| tctgtcaact | ttccggtttt aaactgaaac tgcaaaccaa aacatttatt ttcgtctcga 300 |
| cggccattga | caaagttttg ttttccaaaa acccgaggaa gaaaaattgc cagcccaaaa 360 |
| agatttgaaa | ggatacccca aaagattccg ttcaaaaatc gtcccccccg ttatgttttg 420 |
| agtttcaatt | cccgtgtttg aaaaacaaa 449 |

<210> 276
 <211> 479
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|--|
| <400> 276 | |
| gttcaattca | actagttcgc attccacgac gacctctacc tatattttct agattatttg 60 |
| cactttcggt | tagcatttga tcacagtagc ggcgaaaatc aagtcgcact cactttttat 120 |
| ctgaaacctg | tctttacgac ttaaattatt ctgttctcaa agaaatattt tttttaacta 180 |
| tttcaagctt | ttgaattgcc aagacgacga aatgtctgcc agccacaaac agcgttataa 240 |
| aaatgccgcc | ttggactcca cagagatgcg tcgtcgtcgc gaggagggtg gcatccagtt 300 |
| gcgaaaaaac | aaacgcgaac agcagctctt taagcgacgc aatgtgggtt ttgagccggc 360 |
| tacatcctca | acatcagccg gagtggagag caacaccgga taacgaacag caggtttatt 420 |
| ttgatcaagt | ttgggctgat agcatagtct taactatctc tccattccca atgcaggct 479 |

<210> 277
 <211> 533
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 277
 ctccccgtcgt tttagagatcc gctgctctcg caacaacaac aactataact gtagttaccg 60
 tctctttttgc atcgttcgtt tttaggtttgt gtcgccaagt gattgtgtgt gtgcgtaagc 120
 ttaaagctga ctaacaaaac gaaacaagaa aaaatataaa ttataggaaa attgtttaat 180
 tataaccaga aagagagcgg cacttacgtg tggtattgtg tgcgtgtgct ttaaaaagat 240
 ataaaaatag caatagaaag ttattaaagc gttggcaaaa aagtccaacg aacagcgaga 300
 ggaaagcggg gaacgaaata gttaaagcca aagtcgctgc cgacgtcgca cttgaaaacg 360
 tcgcaaaaagt ttgtaaacac accagtgtgt gttcgtgtgt gtttttgccg gcgtgccagt 420
 gtgcgtgcgc ctagaaaaga gtcaagaagc cgaagaaaag gaagaagccc gaagaagcag 480
 caaaagaagc cgacagcaaa aagtaaataa aatccaatgc cccctggcag aat 533

<210> 278
 <211> 506
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 278
 gtgccgccga agtggacaca tcgccgcata cggatacggg aacgcatagg gacagagatt 60
 cgaatccggg taatatagcc ttagccaccg atttggaact gccaagggt ctgccgttat 120
 cgttatcctc gcgacaccac tggaaccagc tgcagagcag ttgacagcc cttcaccacc 180
 agcaacagca acaacaacag caactacgtt catacagctc cactatcgaa acaaatttgg 240
 aagacaagat gagcaaaccg gattcgaaac tagataaata cgcgcagcgc gatcgccctgg 300
 gcctttgggg cactggtgac aatgaggtgg tcggcagcct ctccggattc acccgactct 360
 tggacaagcg ctactcaaag gtgagttcca caagtttaga atatgcgaat acgcttttaa 420
 gttgccccag ttccgttgaa cttagtggaa aaatgccagg caaagggttt taagggtggg 480
 ttgcattcc gttttttttt tccgct 506

<210> 279
 <211> 362
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 279
 gctccagcaa tcaagcaacc gagtatcggc gtcgcttcgt ttcgaatttc agttcgaatt 60
 tggatttgtg cggcgacgct ctaatttggt taatttttgt tcgttaattg tgtaattga 120

| | |
|--|-----|
| ttagttagtc gctgtgttaa tggaccacta agttagctgc gagcccgttt ctgtttagtt | 180 |
| caagttatfff ctgttttggc catcccctgc aatgagcgcc tttgaggtta gttgagtcct | 240 |
| cttttcggaa ctccggcaat aattttccga gaaataacta gattaccggt acttacagat | 300 |
| cacagtgcgc ccacgcgc taaagcaaaa gaagcgcgcc gaaggaccga gcccgccggt | 360 |
| cc | 362 |

<210> 280
 <211> 548
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 280 | |
| gccaagacga tggcaatcaa cttttcgttg ttgtttttgc agtcgctcgc ttgttgctgc | 60 |
| tacacagggtg gctggctggg ggtgctgtgg cctctatttc ttgctatttc tctctatttc | 120 |
| tctgtattga tatcgaaatg gatgtcaaat aagccgctcg acgggttttc ttcaggagaa | 180 |
| agtgcacgag aatgtgtctc cgtctccgctc tgcgccagct gttcgctatt cttctcgtcg | 240 |
| cggtagcttaa cagctccggt tatcgatggg tcattagggtg gtgcacactc atttattgca | 300 |
| atgccatttta tggcctaatt gatttgcaag ttgcccgaac gaacaagtaa ttttgtagt | 360 |
| aaatagaggg cagaatggcc actttgttct tggcgagcga tctggcaacg ctgcgggttt | 420 |
| tgtttacttc gataaggccc cctttacact agtttcgaat tatcgcaatt gggaatatat | 480 |
| ttcgactata tcttttttat ggccataat gcaaagcctg aataaataat tgatttaagg | 540 |
| aacatact | 548 |

<210> 281
 <211> 199
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 281 | |
| ggtcagacgg aacagcgag acatcgctt ggggaagaaa tttcagtcgc aaatttcgta | 60 |
| aataatcgag ttttcccttg atcgctggac ttctgacagc tgcgcagtgt gaacgtttgc | 120 |
| tgcaatttgt cagctggccg agagggtagc cactcgatgc ggtatttttt cggtatttta | 180 |
| cctagaaccg ttttaattt | 199 |

<210> 282
 <211> 310
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|----|
| <400> 282 | |
| gtcccagacat tgcggctgca atatccggga tagcggggcc cacaggggccc ggcaaatgcc | 60 |

caacgcacac ttttcactcg gcaaataagg gggcatcgaa ggccaccggg ggcagaaaaa 120
 gtaggaatgt ctaatttact tgcttcaatt gtttctccag gacgaagatg gtggcgatgg 180
 acgcacgctc taggcggaat actatgccct caatgacgaa acctttggat ccgctataaa 240
 tggcgactgg gaggaagccc atgagactat ggtacgcctg ggcgggaatg gcgaaaggg 300
 gcggaagcga 310

<210> 283
 <211> 429
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 283
 cactggacgt ccacacaaaa attgtactcg cgacgtgtga gcgtgacgca tgctgtacac 60
 tcttaaccac acttaaataa gggcaaagca ctctcgcccg cagccgtgag agtgagcgag 120
 atgactatac aagcagcatc tgggcatagc gaggcagggt tgctaatagcc agtggtgtac 180
 aaccatcggc ggtcatcggt agtgggcccc ttatcgctat cgtcgctcag ctgttacgta 240
 gcgtgtttgt tacgtcgtaa attttgtgag gaaaaaccgc agagtgttca ttgccgccgt 300
 gaaaaaaaca taaataatgt ctgtgccttt cagtggcgca ttgcggcggt ccggcgccat 360
 tgtgtccgcc attggcaagc agctgaagag cgtgaatttg aaggcgctca agcggataac 420
 cgtgcagtt 429

<210> 284
 <211> 573
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 284
 ttgagaagca atggccgctg accaattgcc aggggttgcca gacatgccaa tagaaatggg 60
 gaaggaagag cgcttttggg tgggtgtggt gtttttcaaa tttttttttt atttcttttt 120
 ggaggtgcaa ggatgggcaa tcttcaacac aagtattggt ggggcaccca gcaagtactc 180
 ataagttttg ttgttgcaag gaaggggtga aacagatagg gagagagacg gagacagtcg 240
 agagcgtaaa aataaaatgt gtactaggca cgattaatag ttgtagttgc acttcccaag 300
 actcaaacac acaattatta ttaaataat atatatatat gtgcacatat 360
 ataagtgggg aaacaaatat aactttgaat gtcaaggggc gaggttaatt tgtggggtat 420
 attttcagag ggggggtttt aatgggtctt atttcgccaa tttaccgcca gaagctgcaa 480
 gaacttggtc aatttgccc tgctgcgata taggttcgcc aacatcaagt tcaactgctga 540
 taaaagctag ttctttgcgt aaaatgcgaa ttc 573

<210> 285
 <211> 470
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 285
 cacatgcaca agcacgcaca ctcgctcggt cggcctgcgc tttgtgtatg tgtgcgagac 60
 tcttcttatc tctaactgta gctgtagttt ctttcgcttt acgaaaacgc agaagatttt 120
 cactttttat tggccccact cgctttgcta attattaatt tagctacctt aatttattca 180
 gcaatcacca gttttcaatt gctcaacaca caaaggcgga cgcggacacg aacacgcaca 240
 catctcgaag tcggacacaa aaggagtggc cgtcgcagtc ttgttcttcc agtgtctgtt 300
 gttgttgctg ttcttacgcy ggccgaaaac tcccttcccg tatagttttt tgtagccct 360
 tccaggcttc cataactata cggaagttat attgttgatt tgggttttat ctaagccgct 420
 ttcagagcaa cactccgaaa attaatactc ttgggttttc ctttcgcttt 470

<210> 286
 <211> 444
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 286
 gtgctgtgta taaattgttt ttaggacctt ggctaggaat tactgggtgc acacactcag 60
 cgccacagct ccaccgacca ccgcccttgc aaggaccac catgaactcc aaggacaagt 120
 ccaagttcaa gttgttcttc aaatcgctgc cggcaggtta caaagtgggt gcaccattgt 180
 gggcaagata actcaattgg gattccgggg attcacaggt tacgtgggcy agcggaccct 240
 gcggccggag tttgagaggg aactgcgtcc ggagcagccg gtggcccagc gctgccggat 300
 gctgaaagag ctgggcyaca cgcagctgca caacttcaat ctggacgaag tgcgttccat 360
 cgaattgccg ccatgccatg aacatgtttt tatttctcgt taattcgtcc ccacagaacg 420
 ccatcaccat tctgttcaat ctca 444

<210> 287
 <211> 512
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 287
 atctgagtgt caaggggacg ctacgcgagg ataccgtag actcttcctc gtgcaactag 60
 gtgagattcg aaaatcctat ataaggggta gccctaacta ataattgtaa aagatcaata 120
 taaaatgtaa cattaatatt actttagaac aacgaaatgt attataatta actatcagaa 180
 gatcggaagt tatagtatac cattatttcc atttccgtaa ttctagctgg tgctatgaaa 240
 gcactttata ccaaaggaat tgtgcatcgt gatctcaagc cacaaaacat tctgctatcg 300

cacaattatg gcaaaacatt gccagctcca tcgaaaataa ccctgaaaat tggtaagtct 360
 tgtaatcttg taaaatctaa gaaacaaaat ctgttacctc ttttgaaagt tgttacttaa 420
 aaaactgggtt attactacga aatcttcatg ttaatcaaact attccactg ctacttgta 480
 cttatactgc ctgcaacttt tctttattac ag 512

<210> 288
 <211> 465
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 288
 gcgtggtgca cctgcggccg cttaaagatg aagaggaagt ggagttggag gaggaatgga 60
 acaggaggac caggagccag gaggtctctt tctcttcttt ttctcgttca atgacacaga 120
 aatctttcct ctgctcttcc gctttgtgcg ctcttcttcc caatatacaa gcgagctttt 180
 tatatgtgcg agtgcgactg cgaggccatc gotgcgttta tctccctctg tctgtgtgtg 240
 tgtgcgtttg tgtgtgttgg agtgcgtgtg gctacacaca aagtaatat ttcaagcacg 300
 tttttcatgc acttcgagcc gttttttgtc tattgccgca tagaaaacga ataaacgcca 360
 ctttcatcta caatttggtg ttacaattcg tgcattttg tgcacttttc actatcaaaa 420
 accgtttaaa tcgttttcac cttgcgacaa gaaaaattac acacc 465

<210> 289
 <211> 285
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 289
 gccagtagca gcaacaattc cagttccacg gacaacaatc acggaggcca caatccgctg 60
 aaccgactgt ccctgaagtc cgccggaaag cgtaatcagg agagcatgtc gcattcccag 120
 ccgaacggcg gctggataaa cggttaaggcg gaaaaccgag aggaaaatca tctaaggagc 180
 cgactgtttt atggttggtc gagagggggg ggagggcacg gcaggtgcac tgcgtctgtg 240
 agttattgat ttttcacaca acttaagcag tgtcccaggg gagcg 285

<210> 290
 <211> 575
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 290
 tcgtggccct tatgtttcct gcaatcgatg tttctacctt cactttcgtt tccggcgtgg 60
 tgcgtaagtt gctccgcgtt ttcgcaattt taagcgatta tcactttgtt tgaactctag 120
 gccggccatg tgcctataag ttaacagcaa agcatatcgt cgccattggg accaaagtaa 180

| | | | | | | |
|------------|------------|-------------|-------------|-------------|------------|-----|
| ctctcaaadc | tggttcaatt | ttaatccgta | gaaatcttac | atcatggaca | attctggaaa | 240 |
| taaccgctac | gagctgttgt | tcattggacga | cgatgaactcc | tctgggctcg | cacagcccac | 300 |
| agattgccgc | tgtatgcgcg | gcgcccaga | agccggaacc | ggcaaaggcg | caaaggcac | 360 |
| caaagagcaa | gtcggagaag | gagaacaagc | cggttgtggc | tgcccgcaag | gccaacgctc | 420 |
| cggtggctaa | aaacgctagt | ccagtgaag | gcggcaagg | tcccgtggc | ggggatgtgg | 480 |
| gtcgtcccaa | gaacccaaca | gcaaacggtg | ccaacaacca | gggcagggttc | aacaacaacc | 540 |
| aacgctacgg | aaataaggag | tcgaacggag | aattc | | | 575 |

<210> 291
 <211> 460
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|--|
| <400> 291 | |
| cactggcccc | aagacgttgg aatctttgtga attgttgttg ctgcagccca gcaataacgg 60 |
| tacagaggac | aacagtatca gcaacaaata caacaaaaag gaatgacaaa gtgaaaccga 120 |
| ctgcgctgcc | ccacaaacta cgacaacatt aataacaata ataacaaaac gaaataggaa 180 |
| gagcaaaaact | gtgatctctg cttaactttt tttatctttg gggcaattgt tcaatttggc 240 |
| tgtgctcaaa | agtaaattaa gtcaactcgt tacgcgtatt tgccgtgttt ggcaacgctt 300 |
| tttccaaccg | acgactggaa aatcaattct tcggattgcc aaagggaac aacaactagc 360 |
| agttgttgaa | gttttccttt atattctttg cggcccaccc caaaacaaaa agcctagttt 420 |
| ttagaagaaa | gaagaatgga agaagaaaga aagaaccgc 460 |

<210> 292
 <211> 473
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|---|
| <400> 292 | |
| ggttagagtg | taataatgaa ataaccagc ttcgaatttc gttcacaaca aaagtgcggg 60 |
| cctttcatgc | caaaataactt tggtttcgaa ttgtttttca aattcgaatc gaggttttcc 120 |
| agctttccag | tttgacagcg agagaacgaa agagagcgag ggcgaattac ggtgttcgcg 180 |
| ctctgcttgt | gctttccact ccactccct tcttaacttc cccccacca gcctatatac 240 |
| tctgtgtgca | tgtgtaaag aatactttta aacgttttta atcgttgag tgtattcatc 300 |
| gccagccacg | ttaaaaggaa gaacgtgtta tgttgaatac gaccatcaga agatcttagc 360 |
| gaaaggattc | caggagccca aattcttaac cccatccca cacacacaca tataactcgca 420 |
| cgttaggcac | gctctcttgt tgagaagaaa gggtttaaat taaagaagcc acc 473 |

<210> 293
 <211> 446
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 293
 gccttaccgcg tttttattta tttttctttc tgtttgttta agttccctct tttctttgct 60
 gattgtttcg ctttctgctt gccagtgtga gtgcaggagt aactgtgtgt gggcaatgag 120
 ctctcttttc gtttgccttt cgctgtcgtc tgtttatgta tatttaatgg cctgacttcg 180
 aaattaaagc caccgacatc ggatgacgca ctggtgactg ggcctacaat agtggttagtt 240
 gcgctgctca cattcttgct catggcgaaa tttttctttt tgtagagtta ctttgagtta 300
 cgatcacagg gtgcctagtt tcatgcgaat agttgccaat tgtgggcaac attaaaaata 360
 aattaaccga attggtctta tttgcatcta atttgcaa atcagagttg aagaatgtgt 420
 agcgaaatag gtatctcaaa aaccgcg 446

<210> 294
 <211> 161
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 294
 atttaactta accacttata attgcctcct cgcagtccca tgtaactca gtttactgct 60
 aggcgtcgag gcgttcgtac cctttagtagt cagtttcacg gtcgttggtc gttagaacg 120
 catttcacaa ctggcaacaa ttaagccaaa ttaattgtat t 161

<210> 295
 <211> 132
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 295
 ctcgagaaaa cgtgggggttg aaaaaccttt gagcaacggt gtgccaattc cacaattaaa 60
 ccgcagagtt tgcacaattg gcggttacac ctogatgtct gcccttattt accaaaccca 120
 ttaaccgaat tc 132

<210> 296
 <211> 238
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 296
 ggctagattg accagcaaag cagcgaagag gaggagagaa gaaagcggga gagaaaagag 60
 aaggcgaaga gaggacggca cttagttggt gttttgaagt cgaactgggt tacagttagc 120
 agtttagcagt tgcctctcag ctggctcagt gtttttttag tggttcgagct gtgcgtgtga 180

actgtgatat tgcgatattg ggctatcgca attggaaaact ggacttttgg ttgaattc 238

<210> 297

<211> 51

<212> DNA

<213> *Drosophila melanogaster*

<400> 297

ctctgggggtt tgcgccgcgt ttctgagcgt cacgggtgctg ttccggaatt c 51

<210> 298

<211> 468

<212> DNA

<213> *Drosophila melanogaster*

<400> 298

gttcacagca cttaaaagaa cacttgggaa aaacaataaa aatatttcgc aaattatggc 60

gaagcgataa gtcagccaaa aattgaatcc atcggagcga ctgccttgga gccacagccc 120

acccatgatg acgaccgact tcgcgggcag ccagttcgtg tccagcaatc ccaacaccag 180

ctgtagtgca tcccgtggc taacggagga ggtatttgca tggatatgca atttgaaaat 240

gatttgattc acatatttct gttgttctgt aggtctttaa actaatcgaa attgtgcagc 300

gcgacgaagc catctacaat ccgaagcaca aatactactt ttgccgcccc gtacgttgga 360

aaacttttgg ccgaggttga tttgaaactt ggaaaagaat ccgggcgccc agtctggcca 420

attggaacaa tttgcgcac tcgttccgac aaaaattcac cactatct 468

<210> 299

<211> 365

<212> DNA

<213> *Drosophila melanogaster*

<400> 299

gtcgcgcatt tcaccgtttc cgaatcggac gaaccgggcg tgattgctct cctgctgctt 60

tcgagatcga gtcccgataa ggatataact acaacctaaa gaggaatcca agcctcctcc 120

tgccgctagt ttcgaaaagt aaatagagta cttgttatca actgggaagc ggagatacat 180

agctccgata ttctgtgaa agccagacaa acggatacca acgaacaatc gccatgtgcg 240

tcgtcgtccc ttctcgtttc acacatcgtg cgataaaaaat accgctttgc tttttgtgtt 300

tatttaaaaa ttttggttag gaagttgaac tccaactcct tgacgtttgc attttcccca 360

ccacc 365

<210> 300

<211> 432

<212> DNA

<213> Drosophila melanogaster

<400> 300

ccgtcgcttt cttcgcttat cgggtgtgtgc gtgcgcctgc ctacgtgtgt gctgtgcatg 60
cgatttgtgt taacaaaatg tgattagcaa aaatacaaag aaatcaggca tagtggaaca 120
aggcattgtg gctgaaacaa cagtcggcgg cagtaacagt cgacactaaa aaacaacaaa 180
atatacacat atacatatat taataatagt acatacgaaa catatctttt gagatataca 240
cgaaatgcga aaatttgcac aaaaagcaat gcgctggcgc ggcaacaaaag cgcgggccgta 300
aaaaaataag ttacgccaac gacaattctg aattttgtgc tttatccgca gcagccagca 360
caattaaatt aatatttgaa ctacccccaa agttaacaaa agttagccag cccattaaaa 420
aaaaatacac ac 432

<210> 301

<211> 207

<212> DNA

<213> Drosophila melanogaster

<400> 301

gtgtatctca ataatcctcc cagtaagccg cgtgaaggtc aactgcaac atcgatagcc 60
gatgactagg ccagcaacaa tcgataattc ttacccccgc acgtgttgaa attgttttct 120
tttatttgga tcagatttaa tttagctaata ccagacatgt cggactttga aatggaggac 180
agtgcctcgg gctacgactc aggggat 207

<210> 302

<211> 186

<212> DNA

<213> Drosophila melanogaster

<400> 302

ggccggacgc tagaaatttc cattcgcagg cgaaaagcga atccataatt gatgtgaatg 60
tgagaagcat atatcgaatc gaatgttctg gacttgtttg tcaaacgaaa agaacagatt 120
gcaagccgac acgtgcgtgg ctgtgtgttc agtatacatt atatctaatt cccgtctccc 180
ctctct 186

<210> 303

<211> 82

<212> DNA

<213> Drosophila melanogaster

<400> 303

agaccgacca actggaggcc agatacagat accatcattg tcatttccca attgaccaga 60
gaaagaaacc tgctgcgaat tc 82

<210> 304
 <211> 54
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 304
 ggccacctaa cgccaacaat tcggggacaa aatcaaatacg catgcaaaga attc 54

<210> 305
 <211> 1004
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 305
 cccccaccgc agccactcac acacgcaaac atgaggctgt ttgcggcagc aacagttgcg 60
 cttgtattgc ttctgggcca agcagctggc gaggagcttg cggaggagcg agcgggacag 120
 gcacagggcg atgcggaggt gagtgtgctg gtgttgtttt gttatgattc agcagcgcg 180
 ctatttccac atcaaaacgc tttcggggag caaaaagtaa cgtaatcccc ttcaaagtga 240
 ctaaggcttg tgggcaggga ttacggttcg acattaagcg ggaaatatgc aattttacag 300
 ttaactctca ctgcgtctca cccgcttacc caaaaacaca tacacaggag ctcacctaaa 360
 ccgaacacac ctatactcac acacattcgc catattggct gacgtccctt gttttttcct 420
 ctttgaagta cactgacaag aaaggatgtc aactgtccag cctcagtggc tgaagtgcaa 480
 tttcaacaat gattttcatc ttcaatgaaa tctgcgatat tccaaacaaa aaatgtttaa 540
 ttgcgagttt taaaaaatag cccattcttg ctcttttcgc ttttctacgc ctgttttggc 600
 ctttgtttat tctgcgacgt gtcagctggt tgcttatttt gaccgataga accccattga 660
 tccccagact gccgttgttt ttgcaactgc ttcttatcgg ggtattttta taggccccac 720
 tagtccgttt aaaattgctt tgtgcccgga attgcgtttt aatttctgcy ttttaagtga 780
 cttccccaca agcgggaagg gaattttaat ttgcaaggct tttttttacg tccgttcaaa 840
 cgcagccact gttttttctt ttgcggaaag cctgcaatcg aatgatgcta gcaagtactc 900
 atagggtagt tatgaagctt acgaaagaat ggggatcatc ttcacagacc cactctatat 960
 taagtttgcc accatccgtt ggacattaac ggtcacttag tatt 1004

<210> 306
 <211> 566
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 306
 gaccaggtca ttgaccccaa aggattactt tccgatagtt ttgtcgtgca gtattggtga 60
 acttggcaat tctttcgaca cttaacctat aaacttggaa aggaacgcaa tgtagcaaaa 120
 ctactgttct tggtagacagg gggtttaagg tagactaaca aggacaattt tatgacactg 180

| | |
|--|-----|
| aagccctatg gagtaagaat caaagaactg ctgtattttg gtttgtataa atgaataaaa | 240 |
| cgttctacgc taattgaaga gcattcgaag aggtttgaat acagcgccat aggggtgacca | 300 |
| gcttgtggag cattgaaggt atttcttgtt ttaagaatga tcacgggatg gtcacactag | 360 |
| aaatacagcc aaacaaaaca actaaaagca tttcgagcgc taacaaatat atatctttcg | 420 |
| acttgactca ttcgcattcc ggttgaccgt gtcgcgcctg cagcatgtct gaaaagccga | 480 |
| ctgttctgat tttgggtggc taagttggtc ccgcctgcac ctctcatcg tcacctgccc | 540 |
| ccgctcccat ccacacttcc gcctta | 566 |

<210> 307
 <211> 440
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 307 | |
| tgtagaactt tattttcgat ttagttttgt ttactaataa acttcgttag ctatgacaaa | 60 |
| tctacaacgc tggctatttt acgcctcgtt ctttgcgatt ccctatctct ccgttgtttt | 120 |
| gggaacagtg caaacgccac taactaccaa gtatttcctg cacattcagc tttaccact | 180 |
| tttgctcctc gtgatttttg gtgtgagttt ttggatatga atcaatgcag ataacagctc | 240 |
| ttattgacta ctattatata ttaccctcag atatattccg tttggactgt tctatataga | 300 |
| actctgactt ttaacgattg tcccgaggcc cgccaaggag ctgcaggatg aaattcagga | 360 |
| ggctcgcaag ggatttgata tccaagggga tttcggtttc gagattagga gacttccaga | 420 |
| acttgtgcat ggtaaactctg | 440 |

<210> 308
 <211> 402
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 308 | |
| ggctacacct ggctgcgtta tcgatagttc gggccgatag ttgccgatgg tcagctaate | 60 |
| gcagtgcac tccgctagct cacagcaata acacgaggag taatgaagtc gctctagaat | 120 |
| ataaataaac aattcattaa ttaaaatagc gacatgggtca actggaggaa gtttatcttg | 180 |
| tggttcgccc aggagcatgt cgactttcgc gtgcaggagt ttgattcgct ggtcaaaatg | 240 |
| tttggacttc aggtccggcg gcttacagaa cacaccaggg taaagtgttt tagtaccaga | 300 |
| attttgaaaa cgcaagatta acaaattcca ccttccttat aacttttaaa acctgggggg | 360 |
| ttaatgatat atcccaactt gggaatttta attaatatgg tt | 402 |

<210> 309
 <211> 573
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 309
 gagcagactg ttatcggtg caaccatcga ttaattacac atatcgctgg gcagaaacaa 60
 ggaaaggata gaaagcactc gaagtgattt ttacatcag ttctattgtt aacggtaggc 120
 caaagattca gtgaaacaat tgcccttaaa cactgacat ttcaaacaat gcaacctgtc 180
 cctcaagcag caaaagcccc ccagagagcc agaaactttc gagcacagcc aaacgcggaa 240
 gagcaaagcg cagcgagacg aggacgcaa gatgattaaa ctattcacgc ttaagcagca 300
 gaagaaagac ggcgagcaaa agggcagtcg gcagaagaaa gcgtccgccg gccagctgc 360
 gcatacagaa aggtagtctt caatccagca cctggtatga tcaactcttg cttattactt 420
 atccatcttg ggctggtttc ttccccaga tattaacgaa ctgaacctgc caaacacttg 480
 cgccacagac tttcccgatc ccaaggactt gcttaacttc agcttatcat ctgcccgcac 540
 gaggctttta cgaaacggcg ctttcgtgtt caa 573

<210> 310
 <211> 483
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 310
 gctgagctat gggcagcagc cgacgagtgc tctgctcggc acggtcggca gtcattctaa 60
 tcgacgcctg ctgatgcgga cgcgctcctc ggatcgaatc gaatcgctt cgaatggtcg 120
 gtcgttggtt gatcaagtgt cgcgtgcgct aatcattaat taagtgtctt aggaaaaagt 180
 cccaattggc tatcgaaacg ggtttccatc taccagtgc tttgcgagct gccttgctt 240
 tgcggcaggc tcattttgtga aaaagaaata tcgttgccgc cagtttagatt tcacctgaat 300
 acctgcaatc gaacgcaatt atcataccgg caaaatggaa accacaacac ctgtgctcga 360
 cctgtgatgc cgcacaactc aactactgtg gcgcctcgaa agcgctctat gcaaatcgaa 420
 atcgctgat atggtgtata tcatggttct ggcgttttgg caattcgctg gcctttcatt 480
 tgg 483

<210> 311
 <211> 435
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 311
 atcatatgga cgagctgcca gcgcagcttt cgccaaagct tttgttctag tgccagtgtt 60
 aggcagcatt tgaaatTTTT tgccggttga ttgattgtat gggggggggg gggggagcca 120

ccaggggggtt gacgcttcag agcttttgacc tgcaaaaaaac ctagcagaaa tgaagatgca 180
gtgacagcag tttacttata agtgaatgga gtttaatttc atttatttta gtacagtata 240
caataaatga ttaatatattg ctatacagat gtaatgcctt gcaaagagtt acaagtgtta 300
taaacattca agcatctaaa ttttgacatt cttagtttgc ttttaaattt tttttttaa 360
ttttacccaa acttaaacad aaaaatgatc aaatacgaga tataaagacc catatttaat 420
accaggccct tctta 435

<210> 312
<211> 442
<212> DNA
<213> *Drosophila melanogaster*

<400> 312
agttgggcca acaacaaggc gcgagcataa acagcgatac caacatggcc ggcttcgctgc 60
cgggtgcacac gggtagctat cttggccatg gcggttccga tccgccgggc agacagccag 120
atgattgatg accgctactt gctctcaggg gctgggaact gcatcgacga aacgaagtac 180
cagcgggtga ttaaggaggc ctgcctgcgc gccacggaga tccttcgcaa cggcggatcc 240
gccgtcgatg cctgcgaggc ggccattgtg cggttgaga actgcggcta cacaaacgcc 300
ggctatggct ccaatctctg catggacggc tctgtgcagt gcgatgcggc tataatggga 360
tggtcaacg cttaactttg gcgcctgcac cgaacgtag tcgggttgaa agaaccat 420
acagttggcg agaccatatg cc 442

<210> 313
<211> 408
<212> DNA
<213> *Drosophila melanogaster*

<400> 313
gttttagtggc gagtttgctg gcgcgaaacg ctggttggtc cttttgtttc gaaagagatc 60
ctattcgaag atccccgatc cttgcgagga tcgtctagtgc caatatatag actagttaat 120
ttacttttgg aaaaataagg acaccagcag ggccgccgat ttgtgcccct ttcttgaaag 180
tcgcaaaaca aaaacaacga cgacaacaac aaagcggaga caaagaatcg acaagtagcg 240
ataaacgaaa tcattcccgg ggaaaacctt ggagacgggt gattcactgc caataccact 300
gccaatgga gactgatcac ggcagccatc cttggcgctc ccaataagcg gagtcaccgg 360
aacgcgtggg aagccatatc cggaatgcag cccgccggag cttcgaga 408

<210> 314
<211> 467
<212> DNA

<213> *Drosophila melanogaster*

<400> 314

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ctgtggacgg tegtcaatgc gtgaatatc ttctatgtgt aagtgggtgt cgtgtatgta      60
gatttctggt taagaaaagc cccaaaaacc aaagcgcccc gcaaaatata tattgagtct      120
tcttgGCCCA acaacaaatc tgccgccgga ctttcgccgg agggcgagtg aaaaattcag      180
tttctctcct ctcgacgatg cactttggag gctgtgtgag tgtgtgtgcg agtgagtgcg      240
tgtgtgtata catatgcaaa tgattggatg tcgaatcctt gcatcatcat catcttcata      300
aacacttggc gaaaaaccgc aggaaaacgc aagcagccga acaaaaaaag agagcctctc      360
aagacaacgg cagcggccaa aagtgaacgc gcaacaaacg ccggccaagc aggcgcggca      420
attatttata aatctaaagc cgttagcccc cctctctctc cactcac                      467
```

<210> 315

<211> 464

<212> DNA

<213> *Drosophila melanogaster*

<400> 315

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gCGgtggcct ttgtttagt caaattaggc gaaaacgaaa caaacaaaaa tcagaaatat      60
agatcgaatg ctatggcgca cgtaaagcgg tatcggaggt cgtctaagtc ctCGgaggaa      120
ggcgacctgg acaacgagga ctacgtgcc aacgtaccgg tgaaggagcg gaagaagcag      180
cacatgataa agctgggcag gatcgtgcaa ctggtttcgg aaacggccca gcccaagtcg      240
tcaagcgaga atgagaatga agacgactcg cagggtgCGc acgatgtcga gacctgggga      300
cgcaagtaca acattagtct gctggaccag cacacagaac tgaagaaaat tgccgaggcc      360
aaaaagttga gtgcccgtcg aaaagcagct gcgagaggag gaaaaggatt atggagaagc      420
atttggtctc acagaaggcc cttatggggg tgtggcaaaa gttg                      464
```

<210> 316

<211> 477

<212> DNA

<213> *Drosophila melanogaster*

<400> 316

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gcttagacaa tacaattcaa aatgaatgta ggcaagataa gcgttgtcac cagacttcct      60
gccctccgct cgtgcgcccc gtactcgagc gctgcgaaag cggaactgcc ggcttccttg      120
gtcggcgacg tggatgtgga accaakatat cccagacgg tggacagatc cggcctgcaa      180
ccacaacaca aaaatgtgct ccttaacaaa ttgccatacc aggaacctca ctctggatt      240
catttgaccg agaagtacca gagacaggca ttcggccggg atggggccca gagcaatgtg      300
aatcccaaga tttgcttcga ttcccacgga gagaaagaca gcaggcaggg tatgcaacta      360
```

gaaacctcct gaaaatgctg gagaagaacc gcgcgcagaa ggagaggag ctggcaagga 420

taaatgcccg tgaagaggac attgcgaaga agatggagaa gttgaccaca gtggaag 477

<210> 317

<211> 451

<212> DNA

<213> *Drosophila melanogaster*

<400> 317

ggcgggagct gtacatgaat ttcatttggg aaacaaatth attcttaaaa tggtaagaac 60

acggccggtg ccgtgtgttc cgtcgccaga tgtgaacacc gcaacgagac gcaatcccgg 120

gcgtcccaag aaacagtcca tcggagctga cttaagcaca acgataagca aaccggggcg 180

tcccaagaag ctgtccatcg gagctgattt gaccacaata cgtaaaccgg ggctcccaa 240

gaaactcgga gctgatttga ccacgataat acgaaaaccc gggcggtcca cgaaactatc 300

aaacaaacaa tctttgacag ccctaaacga gccagaagtg tcgcataaga aaatgcgtgg 360

taaaaataag gcgcattaag gtaaaaaacg gtgtcgtatt ccgaaatttc tcgaatgatg 420

cgcttgatg tgggatgcca gcacttttga a 451

<210> 318

<211> 334

<212> DNA

<213> *Drosophila melanogaster*

<400> 318

gtatatacta tacgcgagag ggagcaggca cacacaaacg aaaagcctgc ctccaattga 60

ttagtattag tacttcgaat agtattacta tggttattgt tttcatctag ctgactttca 120

attgtttggg gctgatattt agctagattc ccaggtgag attactcatt tggcttttgg 180

ttcgagacca ctgtgccaga tttctgggtg agagcgtggg gagtttcggt tcaactcacc 240

acagaaactg ttgttgagcg tcgcgctctc tatttagggc gctctctccc acacacggtc 300

acactacagt ccaaaaatga acgaatatac caca 334

<210> 319

<211> 393

<212> DNA

<213> *Drosophila melanogaster*

<400> 319

cctaaattgc aacaaagaaa attgtatgaa atatacgaag cgaagagcag agcgaaagcg 60

acgatgaaaa agaggctgct gcttgaaaaa taagaagagg tggaggagca agaagaagag 120

cagcagcagc cgtcgagag tttttacacg cgtgtgttag tgtgcataca attgtgtatg 180

aaaaagaata aaagctaata taaagtgtca aacgtaattc tgtatatctc cgtgttttct 240

gcagcgcttg acaacgaaat ttatattaca tagtaaatgc gaaatacaac aaaggttaat 300
catattgctt aatcagagta ctgcggtttc aaacgtcttc gtcttcccca tcttctaaac 360
tggaatgcac ccaacaccaa acaaccaaaa ccc 393

<210> 320
<211> 147
<212> DNA
<213> *Drosophila melanogaster*

<400> 320
cgctgacgca gcaccaattg cgacattcca aggccagcaa taggttcac accaccacct 60
ccacagcccc accacacaat atcggaatca tgagcgtaga gaagccaaag attgtctttg 120
ttttgggagg tcccggggcc ggcaagg 147

<210> 321
<211> 602
<212> DNA
<213> *Drosophila melanogaster*

<400> 321
accagtgttt cggcaagcgc agccaacttc gcgctatgtc ggctgccata ttctttcttc 60
ttgatttcaa cgagaaagggt ggcatttgcg ttgttctcga tttgggtaag ttctagcggt 120
ctctcagcgt cccaagcgt cgcgaagtgt agaggataa tgcctgcacc acgtgttgcc 180
gtctatattg ctgccggccc gctaaacctc ggaggtaaatt tgagtttacc cacacgtgca 240
acgcagcggg caaatagtga ataaaatttg aattaattgt agcgaacca taatggactt 300
aatcaaatag tctatattac taagcgaacc tgcgttgatc aataccaaat ttaatatcgt 360
ttctctttct ttgcatgctg cttttctctac tgctgattta catggatctt tcaataaagg 420
taagaacacg tgtggtctta aaatgcgtga ttaattctgt gatgaatgat tgagcagaag 480
agttcttgaa gactatattc atcaccaga ctgatataca gaaatctcgt gctttattca 540
agaaacataa tctaactgcc gactttcttt tagttccatg ttcaccttg gctgctaatt 600
ca 602

<210> 322
<211> 1073
<212> DNA
<213> *Drosophila melanogaster*

<400> 322
ttttttttgt agagctgata agggaataaa tcgggccccca gcaacgattt tattgggagt 60
agataagaat accggaggag catcgacgtg gttgtcggaa attaagatga ctgctttaat 120
ctttagtctg atctccaaca tttagaagag ataaaagtca agcacctggt ataaaaaaat 180

| | | | | | | |
|-------------|-------------|------------|------------|-------------|------------|------|
| acattttgta | tgtttgattt | ctttacattt | tttagtattt | caaataagaag | caaccatttt | 240 |
| gacaacttat | gtaattgaag | tatTTTTgtg | gtgtactatt | ttctaattaa | atcgaaagtg | 300 |
| cgaaagctca | aattttaatta | taagaaatac | agtctctcaa | taaactaaat | aaatcttgaa | 360 |
| gttttcaatc | tgcccgccga | aatggtgggc | agtgcgataa | ccggtaatct | attatcgcta | 420 |
| tcgatatgca | tgccttacgc | catttttagg | cacattttga | agaagccgct | gtttactcgg | 480 |
| gtcaacaaaa | gttcacgaat | tatattctgg | attgtgataa | gccgggcaat | attcgacttt | 540 |
| catccccgatt | gccgggcatt | aaacgtagcg | tgtgtgtttt | caaatacgga | cacttgtcac | 600 |
| cgaaacaccc | ccgggaacgg | ttggaaaatt | catctcgccg | gcagttgcct | ttgtttttga | 660 |
| ctgggaaaat | atggtattca | taacgaaatt | cgcaaggatt | gggctgcagg | ccgcccgcc | 720 |
| gcttagtgtc | acgccccttg | gcgcgctcca | ggctcgcgcc | attcacctga | caagccttct | 780 |
| agccaaaggt | aaggcaattg | tttatgcaat | agccactgaa | tctcaaactg | taatccccgc | 840 |
| cagaacgccg | atacacaaac | aaacacgagt | gggtggaggt | ggtatccggc | agcaatgcc | 900 |
| tagtaggcat | cttcagctac | gccaggagg | ctctcgggga | tgtggtggtc | gcccacttc | 960 |
| cagaacccgg | cacggaactt | aagcaggatg | acgaatgtgg | ggccctggaa | agcgtaaag | 1020 |
| cggtacgag | gtgtattcac | cccgtagtgg | caaggtaatt | ggaaagaatg | ccc | 1073 |

<210> 323
 <211> 501
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|--|
| <400> 323 | |
| ctctgggtcg | tcttgcagtt agccggagct gattcgcccc aggaggagca aggcgttcgc 60 |
| tacgcaaacc | gctgcgaagc ctgcaaaatc ctggccaccg aattggaagc tcgacttgga 120 |
| gagaccggca | agtgcacga cgtcatcgaa atcggatact ccgttgacga tgtgaagccc 180 |
| aagaagcgca | ctgaataccg gcgcagcgaa ctgcgactgc tcgagtcctt ggagaacgtg 240 |
| tgcgagcgag | tggtgggagt acaatctgca caaggaacgc tctgacagca cgagattcgc 300 |
| caaaggtatg | tcccagacct ttcagacgct ccatggccct tgtggacaag gggcgtcaag 360 |
| gtgggatctg | gggaataccc tacgaagctt gtggggacaa gccccgggtg ggaaggtcac 420 |
| cccaaatgaa | aacccagtg gcgaaaacct actggaaggg agtacgagga aaccatcagc 480 |
| gactgggtac | ttttaagcac c 501 |

<210> 324
 <211> 468
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 324
 gtttaaccca tcgccgccca gttaacccat gacttcggcg gcgagtcacg gatggcagaa 60
 ctgtgcggaa tcgaaatgcg agttcgaacg cagagtgcgt gaaaatgagt attatgggaa 120
 acattgccac aaattgatgc actacgcagt gctaccttta attgaattat taattatgta 180
 ccttaatgaa tgcataattg aataataaac tacgtgcaca cgtccccaca attgttgtgc 240
 gcatcggcag cggaattggt cgccgttttt tttttttggt ttttggcctt ctctcgacca 300
 gccactgtta acctttaact tttgtgcacc gaaccgaacc aaaccgaccg gggcgaacca 360
 atgttttcgcg gtagtaaaca taagttgggg ctcattaagt aatcacatgg aatattcccc 420
 cagccaatta aaccaaaaag ccgcagaagg gggttgcggg gcagcggg 468

<210> 325
 <211> 422
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 325
 gtcgaggcgt aacatttcgt gtctttgaaa tgcatatcat cgaagtcacc agtttcagtt 60
 ccaagtttca gtagatttcg ggacatcgtg cggatcgaac gtctggcgct gcgttcacgc 120
 gactcgtagc ctgcaaggaa tcagttacca gtgaccagta aacagtgatc ggtgaatgtg 180
 aacagtgact agtgaatgag acagtgaacg agtaacagcc cgaaaattgt tgcatttacg 240
 agaaatcgca tggatattga aaaaggtata gccaaagatg tatggtaaac aaaaaaaaaa 300
 aaaaaaaaaa cgcgtgccgt tgtttttttag atacacgtgg acagtgggaa tttgtatcta 360
 gattgttttg gttgggtttt gcttttagca aagtgtactc acccgtgtgc taaatgcata 420
 cg 422

<210> 326
 <211> 354
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 326
 tgcccgtcat tctccggcag cgacaaacat ttcaaagtct cgcgttattc cagtctccga 60
 ataaattagc atgttgaaca actacaacag cctagcgcag cccatgtggc agaacggacc 120
 cgctccccggc gagttctaca acttcacggg cggacagacg ccggtccagc agctaccgcg 180
 ggagctgacc acaatgggac cctatggaac caagcacagc acgtaggaac tgcggatatg 240
 tttatatgca gatgtaccac ttgtttacac tccttttact attcccgcag tgcttccagc 300
 accacgggca ccttccgtgc ttgggcattc gctatgatta aggagtgatg ctgg 354

<210> 327
 <211> 227
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 327
 gtcgcatggt ttatgctcaa gcaattggat gaggtaaaaa acgcagagat tttccgcagt 60
 cgggacaaca aggctttgaa ggagaagtgc gatataattg tcgacgtggg cggcgtttat 120
 gatcatgcc aaaaattgta cgatcaccac caaataacct tcaaggagac ttttagttcc 180
 gttcgcccag atgtaagcga ggactacaac gttgtcaggt gaattcc 227

<210> 328
 <211> 513
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 328
 agctcgactc acttttcttg ttcttgctac ttttcacacg ggtatgacag atctgagtga 60
 tggttggcaa cactggcttt tccagggatg gacacgttta taactgtcgc tgccacggaa 120
 cagtgaagata tttaaaatgt ttctgcttca gtatatttca aattcgggta agatcacagt 180
 tagtttatca ttttccttat atttaatttc ttctatcttg cccaaaaaaaa gcaaaaaaaaa 240
 aatcaaaatc aaaccttggt tctttttcaa cgggtccacat tgatgctggc tactgccagg 300
 cgggtattttt tgatgattta attgagggtca cactgcatct tcaacttgac cgccgtgcta 360
 tttgattaat ctctctgaaa aataagtcaa attaacgat taaagtttaa aaaaagggcg 420
 atattgggaa agttgaaaca gaagcagaat acgggttagtt cttctgggtc cgcaccaagg 480
 tgtggacatt tagaaaagcg ttatattggg gac 513

<210> 329
 <211> 247
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 329
 gtccaggccg tgcgctagca ttaacagtcc caccactaac gcaaaagttt tcggctgtaa 60
 aaacgtaaat atttaaactt taagcaagtt tagtgtaaaa ataatacaat catgtgcgtt 120
 aatttgcaaa aagtctgcgg ggctatggtc catttagact tagtactgga ttcagcggaa 180
 aactcgcatt tcgctgtgctt ttcacttgtc ccacattcga ggtccgcttt tgcacatgt 240
 ggaattc 247

<210> 330
 <211> 510
 <212> DNA

<213> *Drosophila melanogaster*

<400> 330

```
ggctggacga gggctgcacg tgaattgatt gatgatgagc agaactgggt cgttgaacta      60
gattatggaa ttaatcgatt tcgtactttg tgtgaaataa acttgtaatg accttttgct      120
taatatttat taaagattta ttcaattttt tgttttatTT ttaaatgcag ttttaaatta      180
ttgtttgttt acatatgtaa cgacagccct ggtgtttcct gtctaattggc aacgctctga      240
aattgcgcag caaccccatc tggccacact gaccatttag tttttgttt atgttggggt      300
gtcggaaaaa tcggctgttt tccgtgtgtc ccgtctgcca tgaaaagctg ctaaaaagct      360
aaatataaaa atcagcgcag cacacacgtt ccgtctgctg cattgggtgc ccattctaatt      420
gggaaattat gtgagtgccg agtcaggaaa acgcatcgtg ggtggtatat atccttatat      480
ccttaagtat gtaactgcgc cccgttggtt      510
```

<210> 331

<211> 432

<212> DNA

<213> *Drosophila melanogaster*

<400> 331

```
ctgtaagggt agaatgcttc ttcttaacga tttgtcattc gcctttcttt agagatggtc      60
ttacgcgaaa cacaactatc gcaagccaaa acgaaaatgt aggggtgtttc aggtgcagat      120
aattgttttag aaatacctta ttgattaaaa ataatgttct tgacaaccta gaaataaatt      180
taagtcaatc aagttactca atgtcgggtat ggtcacaatg cgtacaatta gttaaattag      240
ttagtttggt caatattaaa aaaatccttt ttttaattaa aaaatagctt taatattatg      300
tatcggaaaa tttaatggaa catagataac actatttata atattatacc gtgttataat      360
tgtgataggc atacacaaat ttataagggg aaaaataagc cagggaaagg cggcccaggg      420
tggccatttc gt      432
```

<210> 332

<211> 65

<212> DNA

<213> *Drosophila melanogaster*

<400> 332

```
aatgagccta acttggtttt tcgatcacac ggggcgacgt ttgtttcaac gataattcgg      60
aattc      65
```

<210> 333

<211> 529

<212> DNA

<213> *Drosophila melanogaster*

<400> 333
 gcgctgtccc aattggaaaa cgaagagagc tcgacttgcg gtaatcgag cgcagctttc 60
 acccatacga agacgatgag ctgacgttgt tagaataact tattggaacg tgtccattta 120
 gtttgttggt ggcggcggga gggttagagc aggagagcgt ggtaatcaca tgtatgtcta 180
 tgccttcgcc ttactggcac tcacttacac acatacacac gcgcacagct gcaggtggaa 240
 aattaaaaaa caagagcgga aagagtgcga tttaaactcg ctggcaagcg gcacttacct 300
 tgtttctttt tacgtggcca atagtaaagt gtggtcggta tcaatattag cgccaagaac 360
 gataacacca aagtagtagg aacgttccgc cgctctcatc atactgaaac ttttgacccg 420
 ccatctccga cagcgactat atgtattttg atttttgtgg ttttgctggc actggctttg 480
 gctcggttcg ttccgttctt tctctggcgc gttttcctgc cttttcttc 529

<210> 334
 <211> 486
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 334
 ggtaaaacaa ttgaaatggg tttctggctg cgcttacacg tcaactcagcg gtgcccagtt 60
 ggttcacatcg ttatcgatgt gaaaactcca gtttaagtatc gatagctccg atgttgttct 120
 tatcttttaa agaccacctt tttctgcgt tttgtaggca gtatatattc gccgataatg 180
 cacattataa ctttcagttt tcaattaact cgacatcgag atctggtagt tttttttgt 240
 tcttaaaatt tcttgttttg ctttactgg attgaaaagg aactagttga gattcactta 300
 ctggttcgat tgtattttatc gatagattat cgattgtgaa tgggcggaaa aatagctaag 360
 ctttgaattt gctccacgtt gactttataa cgaaattgct aagaaattgt atgaatataa 420
 taatggttta aaatttattt acattttcat aatttttacc attaagttgg atccgttttt 480
 aaatgg 486

<210> 335
 <211> 473
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 335
 ctccagttctg cccaatgcgc gccgcacacc tcggagccgc aaattataaa cagcactgtc 60
 ttcgatttaa cgggctggcc tatcggtcct atcgatgact cgatagtgcg agctggagtg 120
 tgaccatttc ttggtaaaag caaaatcgtg aagagtaagt gtgcgatact atcgaactgt 180
 catatactca accaaataac atctgaaatc tgtttctcac taaaaccgaa atttccatca 240
 gggttaggaa aatatagttt acgcacatca agttgcatag gtcaatccta cgtaaaaaag 300

gctcgatata ggtaaggtgg gacctcagcc tgaacagggc ctaatgcaaa tacattccga 360
 taaatagatg ttatcgataa ccatttggtata taccagta aatgctttgt tttggttttc 420
 attcagaaaa ttgacataca tttcttagtc tgccataagt tcttggatt gaa 473

<210> 336
 <211> 384
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 336
 atttaaacca aacaaagggt tagtttagag ggttcttcat cgcgagaaaa aggtactacc 60
 atgtcattgc ccacgaccag agccaccag gccacgacca ctcacgctgt ggtccaggct 120
 gtggaaacgt atattcagaa ccagaatttg cttggcgaga tcgctgagct ggacgacatg 180
 ctgtacgatt tgggtgtccat gcacaaagac aacgagctgg ccctgaaacg ggtgcttgca 240
 gtgcatccac aacctgttgc agacgaacag caagttaaac gtccgctttg gccaaaagtg 300
 tttcacaac tggtctcgt ggtgattgcc gacagtcgtg aggattcggc agcccggtg 360
 caaatggtgg ccaatttact ggtc 384

<210> 337
 <211> 314
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 337
 cactggactc tctcgcccgt ggcgtagatg gccgagtcg cagcagcag tttcgctta 60
 atttcaatca tttatttact tttttatttg gtcgagactc ccgtagagt accgtctgca 120
 ggaattgttc gataggcccg ccgatagtga tagcagccgt gcgcgtacgc caaccacttt 180
 ttaaattgtcc cacctctgat aagtcgtgtt actgaattta aattttcttt ttactctagc 240
 agaatcccag gtaggccttg ggtataagct cgaaacattg tcattgctgt cgcgcagag 300
 aacaaccaga attc 314

<210> 338
 <211> 489
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 338
 ccctagcact ctcgcgcact tttggcgctc tctaggcca attcgctcg tctttttctc 60
 ctctgctctt tgtcgtggtg cgatcatgtg tgggggtccgg ctcgcgctcg ctaaactctt 120
 aaccagtggc tttttaacca gtttaagttt acatttgctg gagcgcagac gtgtccggaa 180
 agcgaacgga agacaagtgg aacggaacac ggccgtataa tcagaaatca aacagagtag 240

| | |
|---|-----|
| tggtgtcgtc actttttgcga ctctccataa aaatccgtct gccagtgtt gttgcttctt | 300 |
| cttgagtgcg gggttttcat gtatcgccgc cggatttccg ccttcgagcc cagcacaccc | 360 |
| cgcgtgggag tgctaccctc tccgccggt caatatgcc acccccccg cgacactgcc | 420 |
| gccccgaaaa cgccacccaa ctgagcgtac actttggacc ccaatttgcc gaagaaaacg | 480 |
| attgcaaca | 489 |

<210> 339
 <211> 524
 <212> DNA
 <213> Drosophila melanogaster

<220>
 <221> misc_feature
 <222> (1)..(524)
 <223> n = ambiguous/unknown nucleotide

| | |
|--|-----|
| <400> 339 | |
| ctcgagcatt tgtgggacga gctgagcggg ggcacaaaac tgccaagtaa gtggagcatg | 60 |
| tggaatgaaag gagttcccag aacagtgttg ccaacaaaaa aaaaaaaaaa gttaaaaagt | 120 |
| taattttaat agtgtaaata aatatgaatt aaattaaatt tttatgtaaa cagtattagc | 180 |
| tttacatgag attaccaaatt tgtgagtgtc tgtgtttgtt tgtcttttaa aaactttaaa | 240 |
| agcacataaa gaaatatatt ttaaatttaa ttaaaaagtt cgtaaaaagt aacaaggtag | 300 |
| ctaaattaaa aagtttctta ttcaaatacag atttggcgaa caaagagctc aagttggcaa | 360 |
| cactgacaat gactccaagc gcgaacaaag cgatttctat cgttatccca ctctctctcc | 420 |
| cagaagtatc ggttctcaag gccaaatggg aaggggactt cgagacaatt ttccgggtng | 480 |
| gagtacaaaa ggataccgcg ggcggataac ggtgatttta tggg | 524 |

<210> 340
 <211> 431
 <212> DNA
 <213> Drosophila melanogaster

| | |
|---|-----|
| <400> 340 | |
| ctcccaacga atcgaaatca gttgttcggt gtgcgtgtgt ggaaaaagtt cgagttcgcc | 60 |
| gagagaagcg tgaaaatccg atatcgaaac tacgtttttt tttagtcata ccgattggct | 120 |
| atgcaaattt aattgcggat ctcccaaata atcgaaaagc caacaggctc cccctcaacc | 180 |
| aaaataaaca caacaatcga gccgcaaata aaacgggcaa aaacagcaaa ggcaactggc | 240 |
| gaaccgctta accggtttcg aaatatccat cgtagcacag tttcctcgtc catataatat | 300 |
| tccgattgca gtggatcaaa atataaacac acacactcgc atataaattc gcagatatac | 360 |
| gttgtttgtg tgagtttctg tttgtgggtc gcgtgaaaaa tagttttgac aaatatatac | 420 |

<210> 341
 <211> 589
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 341
 actcggccta aacatacgtg tcggaaattt tctgtcttcg tggacgaagc cgagaagttt 60
 tgtaaggac cttttcaatt gcatttaaaa aggctatttc ctccacaagc accgcaataa 120
 cagccgcagc catgggcgta gccagcatgt tgcagattga cgagatgctg ggcgacttca 180
 acagaatgaa caagcgtcag gtgagcagcg ccgcttctcc gggcaatgca cccatatatc 240
 atcctgattc gtgccctttc cctcccgag tcgctgtacc aggtgctgag cttcgccatg 300
 atcgtctcct cggcgctgat gatctggaag ggccctgatgg tggtcaccgg cagcgagtcg 360
 ccgatcgttg tcgtgctcag tggcagcatg gagccggcct tccaccgagg cgacctctc 420
 ttctcacta actacaagga ggagccgggtg cgcgtcggcg agatcgtcgt cttcaagggtg 480
 gagggcaggg acatacccat tgtacaccgc gtcacaaact gcacgaaaag tgagtttctc 540
 ggggctacgg atatggaaac caatccagaa agcgtcttta agatgaatg 589

<210> 342
 <211> 911
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 342
 agtgagccaa aatgggcgat aatgtgattc ctgctccgct tagccgtatc ccgggcacca 60
 gccaggcgaa ggagaagcac agcaaggacc tgaagaccct cacctatccg cagctgctgg 120
 agattaagga caggcagtct cactttctgt cgttcaagtg agtttttagtt tccacctgtg 180
 gagttccctg tgaatttatc ttatttaatt ttatctctat ttagaaaagc tttgcaccaa 240
 ctgccggaca agggaaagcg tctgcaggag tcgtacgaca aattactggc cgagatcagg 300
 aggcgggatg aagtagagga agcgactcga atgttgagcg gtctcaacat tgtcgaaaag 360
 ggcaaaattg ctctcaacaa tctggagtgg gaatggcaga aacacggacg agggcgccca 420
 tgtggacgac attctggtac agcgatgatg aggtggagat ggatccgttg cggattatag 480
 cgcagggaac aatgcacgag aagaaggcca aggttttgcc tccgccaacg agtctcatta 540
 cggcagatga cctggcggat atcgaggagt ttaagaaacc aaccgactcc ccagattccg 600
 ctttggcagg acatagtac accagttccc ttccagccga aatcgtagaa atcgacgcca 660
 gtcaagtggc cgcaaagctg agcagggagc tgcctcccca tcagcatgcc ctctacctca 720

| | |
|---|-----|
| tcgataagac ggaacaaat gtgaatactc ctagggaaaa gtttatgccca ttccgcacca | 780 |
| cgaagtccaa tgtccacaat cccgacaagg agcgcgtgcg caaaaagggc aagcattggg | 840 |
| aaataacggc agcaactccg acatcatcc agcacaatag aggcccaagt tggtgccatt | 900 |
| ggctgagtcg g | 911 |

<210> 343
 <211> 1176
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|------|
| <400> 343 | |
| ctgtggtcgt tgccgccatc ggagatctta cactgaaact tgaaggcgga ttctgaatat | 60 |
| taattcttct tgaaaaaagg cttttatata tatacataga tctatagctc cctcaaaatc | 120 |
| attgcagctc attatcaaac atgctttaat gctgattcgt ctgtataaat atttaattat | 180 |
| tgtctaccaa gtcattggaa aattttcacc actatgctta ttcgccaaca ctctcggaat | 240 |
| attttatttt ttccatggtc tatttgtata atttcttacc ttaatgcaa gaccatttga | 300 |
| atatttatac cctgtccttt gctgttttgt tctcttatca atgcccttcg cattgaccgc | 360 |
| agttttcaga tttccttgcc tttggcatca ttaatccctt tcaacatggc caaaagccat | 420 |
| tcaaaactga attgttgaga gctgtcactt ggcattttat tgccatcaga tagctgtact | 480 |
| cacaacaaaa ttctacgaca acccaaccga caaagcccac acgatgatag ttaattaaaa | 540 |
| agttgttggc aactcagaa tatcatgcaa aattagcctg gctaactggc cttatcataa | 600 |
| ttatcagcaa tccccaaaca aaactttaca acatgataat tattaataa aaagcaaata | 660 |
| accactaaca gtagaaccga attaacattt gtgagctcag aaaacaaaag caaaatacag | 720 |
| gtgaaacaaa atgcagcagc atccgtttac taatttatac gcaatctcaa ataatttaca | 780 |
| aaacaaatgg ttaaccgaaa gaaatatttt aacaagcttt cttgaggcat tacaaaaatt | 840 |
| aaaataatat atttcagaca gagcaagata tctattttaa tattatttta tacaaaatga | 900 |
| agcaattggt aaacaatttg gacaacgcat gcaatcgacc ctatttgtaa ttaattgat | 960 |
| caaaagcgaa tgtgtcttaa agcagtacct ctctactaca cgcttgagg taattgaatt | 1020 |
| tttgcathtt tattttccgg gtctttaaat atatataata taatatataa ttttcagctg | 1080 |
| atattattgag tttgggtttc tttgattaac tatatgtgag ctgtgtggac tgctacttta | 1140 |
| agggtaagct aatcattttc atattttata atatttc | 1176 |

<210> 344
 <211> 106
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 344
gttcggcatc tccgcacgtc acgtcgtcaa cgccgttaac gagatcctca aggattaggg 60
gaccagtcgt gatctggcta cattcattta cgcctacag gaattc 106

<210> 345
<211> 143
<212> DNA
<213> *Drosophila melanogaster*

<400> 345
accagtccta tctaaatttc tggttttcag atactagaat atgcgtgcaa tttgcggatt 60
tggacagatt ttggaccgga aaaaaaacta atgcggatcc agtgtgacca ccgctcgacc 120
gttcaaatat accatgggaa ttc 143

<210> 346
<211> 510
<212> DNA
<213> *Drosophila melanogaster*

<400> 346
gtctggacta cacagcattg ctgctataag gagtcgggac cagaggagta agaaggaagg 60
aatcccgctc ggtagggact actagcattc gcaagtgcgc tccagcaacc ggaggacccc 120
caactgtaga atcagcatca ccctccta atcccaacaaac caatgacatc ttgagacctc 180
accagccatg gatcccttcg tgttcttcat agtactggca tcgctttatg gcgttcttta 240
ctttttcgac cgcttcttca aggtgtagta tatccagcca aagttcgtcc agatacttaa 300
tgtaatccct tagagttgca tgcactaccc gtacgatgcc ttcctcaaga acaccgggct 360
tgagtataaa tttcatgagc ctccactggc acaacgagtg cctttaacag gaccctctac 420
gctgggggat ctggccggtg acagctgcac ccggagagta atgatcacca gtttatgtta 480
ggagtccctg gtcacctttt ctctgttccc 510

<210> 347
<211> 528
<212> DNA
<213> *Drosophila melanogaster*

<400> 347
atctgttcta ttattgtttt ctttttgtaa agagtttgat tgaatcggat tggatagaag 60
cctgggtgaaa agacaaagaa ccagcgtaaa gatgcctcgc cttgtcaatg gccgcgaagc 120
cgcgcccacg tactcgaatc tggttaagttg aacttcaatg tgtggagcca gcgactcctt 180
tcacaaaaac aaaggattgt atgcatttgt tgcattgtttg ttatgctgtt tgcgcaacaa 240
atgtgcattt ttacaaaagt cagaaagatt tgtgcttata tttttgtata aaacgcctta 300
agtacatata ggtgtgccag tggaaatata agaatctact ccataacgcc cacttgacaa 360

atttttgcgt tgtgtgcact tattttcggt ccacaatctg aacacctgtc gctccgtgag 420
 ttaaaaatttc cttttctatc cacagggttg cttcatattc attttcaatc taatcgttgg 480
 aaccggagcg ctgacgctac ccggagtctt tgccagggca ggatggat 528

<210> 348
 <211> 551
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 348
 gacagaagtt tcaataatag cgatgacact cgtaatggta tctacagttc gcagggctca 60
 aagatatcga tactttgcta gggttgtgta atagtaccgt cacgacaagc gcctgcttga 120
 aaaaacctaa ataatatgaa ttgctataat gctttttaag acaaatgaaa tatttcctaa 180
 ataatgttca actggttcat aagcttacia ctccaactga gtaaacctaa aatttctaaa 240
 tttaaaaaat aagtcgacat aaattcagat ctgacgattg gtgcttcaat cgaccctgcc 300
 tattaagtgg ggcagtcccg aattgccaac cgcagccaac ttcctcacgt tcgttgtcac 360
 tgattgcaat ttaataaaaa aggaaaggaa tttatcact ttaaaaaaga cgtagaaagg 420
 tgtgtgtggt cgtgggagaa acccgattta cttgctaaaa ccgtaagtat cctctacccg 480
 aggaccaaga gaaacctttt tcggcccgtt gcattgctat tttcatggat ttttctgcat 540
 ttcttttttt c 551

<210> 349
 <211> 177
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 349
 tgcgtaatta acgctaatta ggcagaggag acaatttagt tttattcgat cagcaataaa 60
 gtgcgggttc acacgtcacc gaacatttgt tgcccaacac cgcactgcga acttcagctg 120
 caagtggagt ggaaaaactg ctgataaccg atgaaccag agacaactaa ctagccc 177

<210> 350
 <211> 328
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 350
 gcccgcgcta tccgagtgcg ccccatgatg cgtggcatcg cctcgtcgtc agtgtggaac 60
 cggaatcgtc ccgttcagag ttccctgatg caatactgcc gggatcggtc gttgcgcctc 120
 cagcggctcc acggagccaa tttgatggtg cagcgtttct acagccgcaa gcgggatgat 180
 tccaacgggg atattattat gggacccgat cttatgtccg atcaagatac ccatcttccg 240

gcaactgtgg cgggtgcccg accgtgtggc cacatgttcc gttgttggcc atgcgcaaag 300
aatcctctct tccccgctt tattgaaa 328

<210> 351
<211> 531
<212> DNA
<213> *Drosophila melanogaster*

<400> 351
accgagcca accgaaagcg ccacaaagag ctcttttctc tcccggtccg gttgactaaa 60
aaaaaattaa aaggtgaaag cgcgtctcgt gtcgtctttt ttcacattat tatttttttt 120
cttaatctcg tgaatgctac ctactactgc agcatctcat ggaaaacat tcttaagctt 180
tttttttttg gttttttgga atgcaaattg cgcttatata ataggccatc gcgagccctg 240
tgtgtctgtg tgtgcgagtg agtgcaagca tgtgtgtgtg tgtgtgtttg tgtttcaaga 300
atcgaacttt atgctttgtt tacatttccc tttcacaatg accaaatgtg tgtagagaac 360
ataatttgtt taaaggtttc cgttttgtcg caccaacgag tcgcattgcc acccctgtga 420
gaaggggctc catagcccc aacaccatt cccacccct gtctctctgc tgctgcgccc 480
ttaaatttt caattgaaat atgactgcac acaggccagc cccaaacgca g 531

<210> 352
<211> 1109
<212> DNA
<213> *Drosophila melanogaster*

<400> 352
gtcctgccct tcgacggagc aactccgatg gcctcagcac cgactacgcc cactcccttc 60
ccaagaagga cgatcagaac gccctctcca gactgggtgca gaatactgcg atgtacgtag 120
ttgatagtgt atagggtcca catttggcac tatcatatac aattccattg attggaatgc 180
tagcatttta cagcgattgc tatactatac tatactatag tagtatacct acgtagtatt 240
agcgatggca ggatctagta tgtagtatgg ttatacccaa gcatttatcg ggatgttcaa 300
tgcaacaaag caacacagcc ctaattatcg cttatctata ttatatttgt attcgcttat 360
acgctacttt gctctccaga aacatgataa acgttggagc catggactgt cacagcctgg 420
agcaccagga gtacgccgat agaataagat tgtactcgca gcggttgcac caacagtggg 480
aacaacggcc agcacgccag tatcgcccaa aaaggtttgc aatatagcta gattgaaagg 540
gtgaatgatg actaacaatt aaatgaacaa caggctctct taaagatgta ccaagccatc 600
agttctatct gtctaagcca acctatccag atgacactgc tcaagtgagt ttacttttcc 660
gcaaattgct tgttgcttac caatttcgta tgtttttaga tgaagctctt caccgagaag 720

| | |
|--|------|
| gcacacatca gtgtctcgca catcacagatc gaccacaaaag aggccgtggg tgttccttc | 780 |
| cggattccct gattatcgta tcttaagtga aataaagtga taaatttata taaaatcaaa | 840 |
| atctatattg gtactaagta gcccttgaat aaccaggtaa tcgacttatt ttcattaagt | 900 |
| gtacagaagc aaataaatac atactatatt cttaacacgg caagacattt tttttattta | 960 |
| ggaaggcaca cacacacaca tatagctaaa atccaaaatg tcgttcgatc ttaaccataa | 1020 |
| attttgggtc tacacgcgca aggaaattgg tcaattaatc aagaagcaga ccgctgaaga | 1080 |
| agatgaccgc agaggaaaag catatcgat | 1109 |

<210> 353
 <211> 382
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 353 | |
| ggtaatcctt ttattacaag gtccataatc ctctgtatcc ttagataacc ttcccaaaca | 60 |
| cctacaccaa cgcgtgctgc agccatccgc tttacgagat cgaacaggaa cgtcaggagc | 120 |
| gcaacgcaca gggcatccgt gtggccgctc aacgacgtct caactacgaa ctgggcattc | 180 |
| ccaaagagga actgcagcca caggactttc gctacctgac ccgcatccac tacgcagaca | 240 |
| cgggcgacgg cgtgtggggc gagcacgaga tagactacat cctgttcctg caaaaagacg | 300 |
| tgacgctgcg tccaaatagc aacgaggtct gtgaggagcg ctacttgccg cgcgataatg | 360 |
| attgacgagg cggtggccga ag | 382 |

<210> 354
 <211> 533
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 354 | |
| ccctggcctg agttttcctt ctttttcacg cgaagttcac actatttcgc gccaaatggc | 60 |
| aaataagcat aatttgtgca aaaaaagaag tttggatttg agcgaggaat caacaagcga | 120 |
| aagccatgcc aagcgtcagt gcaccgaaaa cctcttttgg ccggagggcg aagacgacga | 180 |
| cagcttcttt tccaacgcgc atctggagga tttgctggac ggacgaaagg aggagctctt | 240 |
| tggcacgcaa gcaaccacaa gtaccaacaa gatgacgcaa agtgggtcgg atgatggact | 300 |
| gggactcttt gcggacacat cttttccaag tgcacaggag tgttcacccc aacagtgcct | 360 |
| ctaaaccgga tgaagccagt gcaccaactg ataaacatca aatcgacctg gcggacgagg | 420 |
| aaaacgccga caagctgttt aagaaaatca acctcaacga tctgagcatt gccgaaatgg | 480 |
| aggatatttt tcatggcgcc gatgatttta gtgatcccat gggtcaaaac aca | 533 |

<210> 355
 <211> 457
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 355
 ggtcaatctg acgccagttt atagaaatct tttaacgttt cggtcgtaaa tcggctcgaa 60
 tgctagtaga aaattagtaga ccagcgcaaa acgggtcgaa aggcaatgag gcatcaaaaa 120
 gttaactaaa ttaatcacaa ttaccgtgag aaatcagaca gtgcagcgcc acagcgactt 180
 taattcagaa aatttgtaac ctggagcgca ttactaagaa ggactgttgc ccataggaat 240
 ttgacagact ctggcgactg tcaaatgtgt atgtaacatt tttaagttag gcgtgatcta 300
 ggaaaaattg tgaaaactgg ctaccagcga taaattgtcc aaatatttcg tgggcatgga 360
 cgaagaggag gaggaggagg ttaccggatc taaagctgca attgttcac aattacagta 420
 cgcgagcaca ttgtaagtgt ttttctggat tgaattc 457

<210> 356
 <211> 489
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 356
 gcctgggtcaa tctgttctgc ggcattgctg tgggcattgt gggttcgggt gccgccctct 60
 cagacgccgc caatgccgcc ctgttcgtca agatccttat tgtggagatc ttcggttcgg 120
 ccatcggctc gttcggcctc atcgtgggca tctacatgac ctccaagtcc aagatgggag 180
 acaaggagta ggcgccgctg ccagccatcc agtgtgagta tgaatcattg cagagacagc 240
 caagggtcaag agaatagcac tcgcgacgga gcaactgaag ctttatcact tgtaggctgc 300
 attgcgcatc tcgcgtctaa gagaatgttg taacgcactt gttcttgcgt ttgataaact 360
 cagtaataag ttaatttaac cgcataaaca tagaggagct accagctctt ctctgagatg 420
 cattttatga aacctaagc aatacactcc tgattgccat ctttcggttt tgccaagtgc 480
 tatagctcg 489

<210> 357
 <211> 1043
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 357
 ccccatgtca agttcagatg acgatgggtt tgaccaggat gagaacaaac tgttgcaggg 60
 cctggagaag tccttgaaat ccctggagct gcagaagaat gaggagtaca tcgaatgcc 120
 cccatctgag cgtaaagtcc ccccatctga gggtaaatac caccttatgg ttaagcagcc 180
 ataattattg tactatcaag ctttttgatt tcagtggggg agtacgtgat gcaacataca 240

| | |
|--|------|
| cggttctccc tgaccgagtt aacaaatgcc ttaaaaatgc cagccatcga catgttctta | 300 |
| tactttttgt ccgataagcg agatctcttc gagaatcaaa gtgttggcca ctgacaatgt | 360 |
| gaaacgagtt ggctgttcg tggatgtcct gtggctcgtc tgtgaactcg aattgggcgg | 420 |
| attcgatgaa gtctttctgt ccgcattcag ccggcagacg gcgcttctgg acaagatcaa | 480 |
| gaatcttttg caggccaaag ccgctgtggc aaaatgcgat gcggagtcgg cactgatatt | 540 |
| aagccatagt aagtggatgc ttctacgagc ccataagcat ggctctctta gtcaccaggg | 600 |
| ctacgaattg gtggaacttt ataagaaatt ggcaccttcc tttaaaagcg acatgattga | 660 |
| tggctcttgaa gcattcaccg gtaacttttc acataacgtc aagggcctaa tttatccaac | 720 |
| gctggagacg ttactgggca aagatgcaac taaggctccc aatgaagaag aggatgaggg | 780 |
| cttgggtgtcc gacaaagtag tcaaataatgt gaatgcactg cgaaatttac taagggaaga | 840 |
| tttttttagca ccactagttag agtttgtgca acagctgcgc agcgggaacgg atgtcgatga | 900 |
| gttgaagcaa cagggccttc tgtgggtccga tgtgcatctg actttaaatc cacagtttgc | 960 |
| caacgctcag cgtcatagcc ttgttttttt gaaggttcaa tttactaaag aatccaagaa | 1020 |
| tgcctataag cttggetgaa ttc | 1043 |

<210> 358
 <211> 536
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 358 | |
| atcggagtga acgaacgaac gaagcatttc ggcggcgaga gagagagaaa aagagagcga | 60 |
| gagcgcacac gcttggtggt ggtcatgtgt gtgtgagggc gcgggctcac acacacaaag | 120 |
| ggagagagac aaagaagaag aggaagcact gcgctgctgc gctgccggca aagccgacgt | 180 |
| cgctgccggc ttcgccgcca gctgcattta gtgttttagct aggaattatc tggcccccaa | 240 |
| aataacttca aaattttctt caactatatt ttttattagt gtgtcaatat atagtctccc | 300 |
| tctccagata caaaaattca aaaataccaa aaacaaaacc attccatatt atcattgatt | 360 |
| acaggcaaca tttgaagcag cagccgcaa gcaaaagact gatttgagta caaggaacta | 420 |
| gaagcaggaa cgcgagggtt ctgccactgc aactgaatt gtgagcatac ccaccatac | 480 |
| ctagctatat ctatagccct aatatctcca ttcttcccc tcaggagccc cagata | 536 |

<210> 359
 <211> 257
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 359

acctgagcaa gggtttatgc cgatgatctg cgcataaacc agcagcagct tatggacgag 60
 atttcggccc tcttgacaaa cacagcgaag ccgagcgccg ccaacgcact gcagctgaat 120
 caggagctcc agcgccgggt catgcaagtc cggacaaaaa ttctggccat gttacaagta 180
 gtaagggccc gcttctctcg gaacgaggac atcctggtgc gccggctgag acctagttcc 240
 catttcggcc cgaattc 257

<210> 360
 <211> 591
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 360
 ggtccgggtg ccatcgctag ttccttttct tttcgaattt ctcgtggaaa acgccaacat 60
 gggtttcgct actctctggt actcgcatcc ccgcaaatat ggccaaggct ccgatgctg 120
 gtaagaattg tgttgcccgt tgtttttcgc acgttttggt gtacaatttg tttaaagtct 180
 tgtcccgtaa ccccgatatt tgcacgattt ttgcttggtt gtagaaagtg gggttatacc 240
 cgaccgctt tttttttaac gcatggcgtc taccaatttg tatttgcttg tattgtcaat 300
 tgtttcaatg ttccaaaggc ttttgcccc gggtgagtag ggaaatacgt gtttagcatc 360
 tagaacagtt tccttaatta aggggtggcca aagtaagagc tgcgcgaggc aaaacgagcc 420
 atttcgaat ggatttggtt cagccaagtg cagcgacagc ttgcttttta atgaaactgt 480
 tccatgctac ggagattctt tgatggaacc gatctaacta tgatatacca tctcattttc 540
 agcccgctgc tgctctaacc gcacggctctg atccgcaggt atggcttaac a 591

<210> 361
 <211> 555
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 361
 gttcggacgt gctacgcggt ctcgtctgtg tgtgtgaggt agtgtgctg agcggagcgg 60
 cgaaaaagca caattgaaat taaatcgagt cgttatctgt ggattcggcg gatacaatac 120
 aatatcgat cgttatctat ttacaaacaa atcgacgtgg attaataaaa tgccgcacac 180
 gaatgcttaa agcggcctat ctgtgtgtgt gtacgtgtgt gtctatgtct ttgtgtgttt 240
 cactctctct ttgaaatagt aaacaaattg cgtataaagt ttacagcaaa gtaaaagaca 300
 aacaaaaata tttatataaa acaaagtata ttctgcagtg cgtgtaaaat atttcgaaaa 360
 gtagccgcaa aaaggcagcg gcgtcgacgt cagcagagcg cgggctgcaa gtgtgttggt 420
 gaggcgtata tacatacata ccacgcataa agtgcataa taaggggggt acataagcag 480
 tgtaattaat taagtgaaat ccaaatagtt ttgtgcatgc gaaattggaa aaatcgagag 540

<210> 362
 <211> 526
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 362
 ctcccgacc gtactactcg accaacgtgc ttgtgtgcag aatttcctcg gctaaataaa 60
 accaaaaatt ggcaaagcgc cgtgtcagat ctagccgtcg attgcacaat tccggagcag 120
 gacgtcgtcg ctggagccac cgaagcggag tcaccatcag aagatcacca gcaccaggag 180
 aaccagtggt acagtcctcc tctttttctt ggctgccgag gcgtcgcgtg tgcgtatctt 240
 tcagcgggtga ataaccacg gctttttgtt ttcggccaga ggaggagcgt gttgcagtcg 300
 caaacgggaa gatgggttaa gctaaaaagg gcaagaaaga gatactgacc aaggtcgaag 360
 gcggttcctc ggtggacgaa atgtgagtct tgtgcaagtt catgcccacc tgccaacttg 420
 gcaaactttc tatcgcaaat tattcaatct tacagctccg atgtggacag cgaccagttg 480
 agcctcaaca accagcagaa tcatgcccct gaagggcaat caagct 526

<210> 363
 <211> 401
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 363
 cgccagacgg gaagcggcag caacaacagc tggaagaagc tgatcgagtg tgagcgagac 60
 agcagtcacg gagcgagctt ttgggtgtgc tttcaattca gtagtatttt cacttttgcg 120
 cgaactagtc aaaaaaacct gcaaagcaat cgcaatttac gtttgtttct gtcctcaact 180
 tgccgtaatc gtcattgaaa tgtgcaatct gtaattgtta ttaacaaagg agcaaacata 240
 agtggaaaact gcattgttat cgtaccaatt gatattcact actcaaagtt taagcaaaaa 300
 caacaaaatg cccaggggtat gtgtgtgtga gtgtgttcgt gtagaatgtt ttttgtgttt 360
 catgctcatt gaatttcgct taagaaatcc tgcgtcattt a 401

<210> 364
 <211> 177
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 364
 ggccaccccc agtaagcggc ccgcattttt ttctgtgaaa gtcagaaaaa ttagccgaaa 60
 aagactgtaa atatttatta atatcagccg aaaccgcacg cgaacaaatc gtgaacatgg 120
 cgcgcaagaa tgcccaggcg gaggacctct ccaacgtgga gtttgagacg agcgagg 177

<210> 365
 <211> 546
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 365
 ctccccggttc ttctgatcct gatccctccc ccaaactaat aattttaagt gattttgttt 60
 ttatcaatga gtttctacgc ccatcaaagg actgccact cgtttgcata acagatgtct 120
 ttaggttgct tatcggtttc tggtatcgat gattttatat aaaaataata caaataaaga 180
 caaataatag aggtaaagat aaattttaaa ttctgaggaa gccatatatt tattgttggt 240
 cctttaataa gcaggaattt tcaagtattg attcagaaaa acgcttataa ctggaaacaa 300
 tctacaactt aatgggagta tacaatttaa tgattagttc ctttcgatga tgtggattca 360
 aagttgctca accaaagtta aaaatctaaa atcgaaaatt taaaaactta tcgagtgaga 420
 ggaccaatcg actactcgac ttagcaaaca tcgaaatatc gcagggtggg acctcacatc 480
 gccatctggt ccacgctag ttcatctttg gttcatcgcg ttcgggtcag tgcacggaac 540
 gatttt 546

<210> 366
 <211> 547
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 366
 acatcaccat aagcattttg ttgtgtgacc ggagtttagt gttgccaaat accaaagcat 60
 gaccgcctac cagaatgttt gcactacgat agataaaaata ctaaaagtta caaaaaaatg 120
 atatatatct ttgtttaatt tttttgtata ttgtttttt tttttgtatt atattttgca 180
 tatttgtaaa tttctctatt ttataacgtt tactccgtaa atttacttat atgtaaatta 240
 tatttatata ctaaactttc tttaagacaa tttcctattg ttcatcttat tgcgatatat 300
 ggatttatgt gccagtggat gtctcagta tcaaataact gatttcttgc attggtggta 360
 acagaaatat catcaagtca gcctgtatat aaaagaacat atgtagatga aaatttaaat 420
 tgattgtatt ttaaagacaa attattttcc ctgattttgt agagtgggat tttttattta 480
 actatgcgtt taagtgggaa aagggctata aacaaaacga gttgatagca gagtgacctg 540
 tgagttt 547

<210> 367
 <211> 559
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 367
 atgtaaacga aatgcgagtt ttaggaaagt gcactgtttt ggtcaggcaa acccgagct 60
 tatccacgcc atctgggcgc cgcagagtgg tggtcacggg aagtggcgca gtcactccgc 120
 tgggcaacaa tggaccggat tcttggcgac gcatcctggc cggcgagtcg gcaatttctc 180
 ggctgagtgc ggagtttaag ggcttgccct gccagggttc ggctcaaata ccgagggaaa 240
 acctacagct ggatcaacac ctgaccaagt cggacattaa gctgatgagc cccgccacgc 300
 agcttgccgt attggcggct gaggaggcct tgtcaaccgg aaagctgtgc cccaagcaat 360
 tgagcgagga ggagcttgag cggttcggag tgtgcgtggg catgggcatg ttcgaccttg 420
 cagaggtcta tggcgctgg aaccagctgc aacgaggta caacagagta agcccctttt 480
 tcgtgcccag gctgctgccc atatggcggt gtggtcacat aacatgcgac atggctttaa 540
 gaggacctac cacttcggt 559

<210> 368
 <211> 533
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 368
 ctaccgactg tctgtgtgta agtgggcgcg aacgtacggt cgaaaaggaa gtgaaaatag 60
 tgcaaaaagg ccaagtaata ataataataa taaaataggc aaaaagacag gccccaaaag 120
 agaccgacca gaccagtttc aaaaagcgcc tatttccagg ctctttgtgt tatgtgtagt 180
 ggtaagtgtg tgagcggcaa caacaacagc agcagaagca acaaaaacaa ctagcagcga 240
 ccacatacgg tggaaaaggc cttttttcaa ggagcgaaag gcaatgcgcg aacgagcaat 300
 aagaataata aattacactt tgctataata agaataaatt tatacatata tacacacaag 360
 cgggagaggc ccacacacac atgtgttttt cctcgttgag agtgtgtgga aaattgtaat 420
 actaatatga accgcagaag cagcagcaca acgagaacca cgagagaaaa tttcgaaata 480
 tcgcatgtgc cattttaagc tttaaataaa ttataacgta cagtattaca aat 533

<210> 369
 <211> 612
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 369
 gctccgggca agaagtccat taccaagtgc gccgtgaatc agcgccagggt ggtcatcacc 60
 ttgtcgggca gggagttggt ctacttcgaa atggatccgg taagtaattc tactactata 120
 ttacactcaa cttttgactt cttgctctga tgacaaaaac acgaaaagaa caatcatggt 180
 gagacactat gtgtcctgca gtgctgagct tcaaaatcaa ccaagagcct tatectcggt 240

| | |
|--|-----|
| tacttaactt cacaactaat gaatacattt tatgcttgca gactggggag ctgaacgagt | 300 |
| acacggaacg ttccgagatg cctgctgaga ttatgtgcat ggccttgagg actgttccgg | 360 |
| agggcgagca gagatcctgg ttcttgggccg tcggcctggc ggataatata gtgcgcatct | 420 |
| tatcgctgga tcccaacaac tgtctcactc cctgctccat gcaagccctg ccttcgccag | 480 |
| ccgaatccct ttgcctggtc gaaatgggtc acacggagag cacgactcag ggaggtttgg | 540 |
| atgacgatgc ttccgctcag cgcagtggca acaataaggg aaccatttac ctaacattgc | 600 |
| ttgacaacgg tg | 612 |

<210> 370
 <211> 462
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 370 | |
| gccccaaactg ttggcattat tacaactttt attcgcctaa aaggcgattg accggggagga | 60 |
| gtgttttgatt tgcgcggcat tcaccaattc gtcagcactt cagagaaaga aggagcaatt | 120 |
| aagtaagcat aaattctgaa ctactgtaca gtcgccggat ttaagacaag ggaagcgaag | 180 |
| agagggcaac acttgaagca catggcagaa acacagaata aattgggttt gtctgaaaat | 240 |
| agcatgtatg ttatgtattc aaaaaacatt cgaaatggga agtatagaat taattgacat | 300 |
| tgtaaaaaaa aaaaaacttg gatgtgccat gggttgtaaga tgagaaccac cgaaagcaga | 360 |
| cgaaaaacaa aaagcaggag aaaaaacggc tttagcgaac cataatgccc gaagtgaaca | 420 |
| ttttaaccga aaccttttca taaaaccgaa attcgacagt ca | 462 |

<210> 371
 <211> 616
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 371 | |
| gcgtgggtgcg cttcttcttc tgaaattagg gatgggaaaa atatatcaat ttatcgatat | 60 |
| attaaaataa atgtaaatat ttatatcgtg atagtttttc tatgatatat caaatatcgc | 120 |
| tctttctgta aaatatttta ttggacacat gtggattcat aaaaaactga aaactaagtt | 180 |
| attattctta aaggatcact aaattattat atttatgatg aaatatctga tgataaatga | 240 |
| taatataatta taaaatgtca agaataattt gtttgggtac tttatcattt tgataatttt | 300 |
| tttaaatgaa aagtgtctga taacgacctg tagtcgcgga ttataaaagt atttgatata | 360 |
| ggaacttagc ctaaaaccaa ctatctttgt taaatatttt aaaactgata tcagtgttat | 420 |
| tttttgttat attatttggt ggaaaagtgg aaaatgggtc tctcctacag ttgtcatcta | 480 |
| tcgacaaaagc cgttgtcaca ttgccatctc tagattatcg gtgtaaaata atttgcaaat | 540 |

cggaataatt aattgacgaa taaacaaaaa cgtagcttaa atttttcatt ttccctggac 600
 ttctgttgca aataga 616

<210> 372
 <211> 322
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 372
 attcagacaa acacggcaat gcacttttgg tgttatcgat aagcagtgtt ggacagcacc 60
 ctgcagctgc ctgcattggt atgcgcaatt atcgatatat acaccctggg gccatcattc 120
 tcgttaagcc atctctagtt cgccactgaa ctcgtaaaaa agtgtaaaat ttgtttacat 180
 tgaaaaaagg taaaatattg ttcttgaggg ctacctacgg tgetccctgg ctcttagatg 240
 ggtagccaa gacaaagggc cgtgtgcatg tgtggcgcgt agccctttat aagtgcgggg 300
 ggtggcggga acagctcagg gc 322

<210> 373
 <211> 607
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 373
 cactgagcca aacaaaatcc gaaattattc gcaacatgga cgagtcggag ctgctattca 60
 atctgtttta tattctgttg tgcattggtga tcatctaccc gccagaggag ttccaacgcc 120
 tgggattcac cattgaacag ttgttcgctc ggttctctggg agaagagtac ctggactttg 180
 taggctacca ccagcgcgt atttcgtga atctcttcgt gcactcctgt ctgcccttct 240
 cctactttct tattcatagg ctcaagttct cgtctctgc cacgcaggag cccttgagg 300
 acttcgacct ggacccggat ttcccatgc ccaggaagc ggtagcggtt aaacgcgttt 360
 acgtggaaaa ccgcccagcg gttagtggtg ttggcgttc tggcgatgcc cgtctgatct 420
 tcaactgggc accaggaaaa tgggcgtcgg caccctgatc agcaaggcgc tcttcaagta 480
 ctccatcacg ccgggcagct acagtgcgt ggctagcgaa attggtatta gagttccggc 540
 aaccggaaat ataccagaag aactaattca ttagcttcgg tgattgccac gcagactggg 600
 atataaa 607

<210> 374
 <211> 488
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 374
 cggatgaagt agcgggtgtg gaacgtgagt ggatgctaag agcaagctct cacatagcg 60

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|-----|
| gacatagctc | gcacacacac | acgcacagac | cgccctttttg | cgccgccgaa | acgaacactt | 120 |
| ttacgaaggc | gacggcgaat | cagtttcagt | tgtcagttcg | catccaacta | gaaagcagtt | 180 |
| aacgagtagt | ctgtgttttt | tcgcttgccg | ttaaaagcca | cgaggtcggt | catcgttcat | 240 |
| cgttttcctt | ttcaacttca | agcaaagcaa | atataaacca | atgcaaaaaa | cgcagtgatc | 300 |
| ttttgaggcc | caaatcgttt | ggggccgaac | accgttgatt | ctaaaacgca | aatgtagaaa | 360 |
| caaatacaaga | aaagtggaaa | ataaatatgt | ttcgctttca | aaacatgtgg | aatgtgcccc | 420 |
| aactcaaaac | tgaaaacgta | gaaggaaccg | cgttcgtttt | ttacatacga | caatcgattt | 480 |
| aaaataag | | | | | | 488 |

<210> 375
 <211> 597
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|--|
| <400> 375 | |
| gatgtgtgca | taaaaatcaa gcgctgcagc agccaaaaag cgagaagaga gcgcgaggca 60 |
| gagagcgtgc | aaagcgggtca gcgagagagc ggggtggctgc tgcaccttca taactgttgt 120 |
| tgcaaagggtg | agtgcgtgcc gaatatgtgt tttgggttcag aattgtttat ttaagtgtac 180 |
| tctcaaccag | gccaacacac tcacaaccac acgcccgcac gtacctgcga cccacgaacg 240 |
| tgtgtgtgcg | tgtgtgttgg cctgcctgct tattttttat gcggaaaaaa cattgatcca 300 |
| aacttttttcg | ggcctcaaga acctcatttt tggctcgccc cacaaggcat taatatctgt 360 |
| tgtgaaccga | aatgggttta aataaaagct ggtcagcaga taaaagtga tccaatatat 420 |
| atgtacgtac | atatgtatgt ctgtaggag cctttgttca tttcagctac aaacatctga 480 |
| gaaagaataa | agtattaaga aatattttac tttggtaatt acttaaacag aaccagtttg 540 |
| gcctctgtgg | catatcactt gccagttgaa tccgcggaat taattcttga agacaaa 597 |

<210> 376
 <211> 328
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|--|
| <400> 376 | |
| gagtgggtga | tgcttttccc gttcgttttc ttggcggact ttggtcggaa tccgcctttt 60 |
| ttctgactgg | cgattgattg ccattcctgg cctttcgggg tggactctga tcggaatccc 120 |
| tgtgcttttg | gcgtggcgga gactgatcgc catctcgccc tcgtctggtg ggactctgat 180 |
| ctgagcttcc | cgcccttctt cgcccccttt gaggactctc ttctcgcttt gctggcttac 240 |
| tcgatctcgc | tgggcttaaa tccctagagc tgctgcgttt ttcttgctta attctgacgg 300 |

<210> 377

<211> 533

<212> DNA

<213> *Drosophila melanogaster*

<400> 377

```

gcacagcgta agacgacgag atcctctctt cgaaatctat ggcatagcca gcatcaaaac      60
aatcacgcag ttcgaatacc aaaatccatt gcatacttgc aggcacactc cgaaaatgcc      120
gcacaaagac gaaacagtcg gtctagtgag aacagtgagg acaatgaaaa cagcgcgtcc      180
ggcaccgtta gggaacagcg tgacgaggcg gcggggccgca ccgttctcca gtgggcgtgg      240
catgtggtca aatccacatc cgtggagccc acaatgttcc tgtacatgtt cgccttcatg      300
atcacctcgg gtggtggagc agaacttctt cctctacaag tctgtcggg ttaacaggaa      360
atttcacgga gggagatctg caggaaatct caacaagccg gagaacgaag gagttccgaa      420
cgaaggcaat gttgaccaat gcctggttcc ttcagtgggg agaacatttc tgcccacgtt      480
ttccccatta ttctggccct tttctgggct cttctcggat cgacggggccc gaa          533

```

<210> 378

<211> 612

<212> DNA

<213> *Drosophila melanogaster*

<400> 378

```

gtcccagcga aaaactttgc aaaaggtgat ttttccaact acttcgcgag agagactagt      60
ggaaaaggca agacgaaaac acaactaagc gaagtgggtg gttggccagt gtggccgcag      120
gtggcgaacc gccaatacgc ccccgcgca aaaataccac tttctttaa ataccaatgg      180
gtcttaattt ttgattcta ttcttttagt tttatttttg ggcccaaatt ttcgaggata      240
atagttgaat attgtcaagc taatacctat ttcgctatat tattattatt gttaaaacta      300
atgatgaaga attgtaaagc tgaaccattg tttaaaagta ccaaaacaag ccaatttact      360
tggetttact ttacttttct tctctttaat gaagaaaaga gtttacttat gccaatgcct      420
gcagagcctt gctgtatcat cagtttctgg atggaaatgg agacaaaaca caataccaat      480
ctattaaatg acaataacta tcaattaaat gactaatatt ggctgtcacc aagtaaccta      540
tcccatctat ggaagagtag gcattctcct gggttgaatt aacaaactct ttgggggcta      600
ttttaatgaa ga          612

```

<210> 379

<211> 837

<212> DNA

<213> *Drosophila melanogaster*

<400> 379

| | |
|--|-----|
| gtcagtagtt ttggatttgg cccaaagagc gaacaaagcc gggttgagtt ttctgggtaa | 60 |
| tcgtgtcaag gttaaattgca tgtgctccac tttacaaaag aacgatagag acggcacttc | 120 |
| atctggcatt gaccagccac cctctgccga catttcaata aaaccttgag acatccaccc | 180 |
| ggttaaagtt atcaattatt ccaccacact accatgtttg ataagctctg tggcagctgc | 240 |
| cttaaaatgg catgaaatat tcacaggga gaagttgccg gtttaatttg atatggacgg | 300 |
| gaattattaa actatcatat ttaaccataa gtacatcctg acctgcaact tgtaacaaat | 360 |
| tttcttatct agcttgtgct tgcagttggc ccggtcttct ttatcactat cattgagtgg | 420 |
| aatgactcac cgtagtattt cagatcgggtg accgcctcca ggtcccgttg atgggcctca | 480 |
| ttgtccagat caaggggtgt actattgctg gtgggcatgg cgtaggaggg cgtggtcgac | 540 |
| gaggaggcct tcgaggctgc tgcgtccgct gctgcagccg ccgccgccgc cgctgcagct | 600 |
| gcattgttgg acttggcctt ggacaagctg gagctggatt catcgatctc tatcccgttc | 660 |
| ggctcatcct cctccatgtc ctgggtccgta gtactcccgt cgggaatccg cgtccgtcct | 720 |
| cgctctccgc atccgatatg caaacaatat ccgccacatt tgtggtggcc gggatggaag | 780 |
| gtgtggggccg gtgatatggc tccgggaaag tgtaatccct tgcaaagctg aaatggc | 837 |

<210> 380

<211> 654

<212> DNA

<213> *Drosophila melanogaster*

<400> 380

| | |
|---|-----|
| cgtaaaacca tggcgttctt ttcagtttca cattggcggg cgttgagcgc ggacgtgagc | 60 |
| atgtatttct gtttgagtgt gtgtgagtgt tagtgtttgt gtaagaagtt cggcggcaac | 120 |
| gaaaacgtaa aatagtgaag cataaaggca caaagtgaag aaatactcgc acataaacgg | 180 |
| atgttagtgt gtttgtctaa gcccttctac ctcttttttt gctacctgcc aatttggtta | 240 |
| ctttattggt gctaccgctt gcgtgccgtg aatcaaagta acaacaaccg ccacaacaac | 300 |
| aacatgcaca aataaatgta agtgtgtaag tgaccgtgga gcgatttaat aacagtgcaa | 360 |
| agccaggaat agcaactaaa atctgttttt aaacgcgcga cgaatgagtt taaaatcgat | 420 |
| tgcagctcgc aaaaattggg caacatcaca aatagtagaa tgcaccacac aatgcccttt | 480 |
| agttatatac catgtacatg tagatgtatc atatcccgtg actcatccga tttgcttttg | 540 |
| catatgcaat ctctacgcaa attacttggg tgacaaaaag aaactattat aagttgcgtt | 600 |
| gaagatacat aattgtcgac cgaaatttca taatcatggc gagatattaa taat | 654 |

<210> 381
 <211> 387
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 381
 gtgtggcagc cagttagtcg tgctccgcta gtcgatgtcg acggttcgct gttttctgtg 60
 ttgctcgccg cccgttcccg cctctcccg cgcataatcga agtctcgcggt attgagtctc 120
 gaaaacaagt ccaatctgat gtacggccgc atttccaagg actccctttt aaacactaat 180
 tcaagcacgg catgccaggc ccaatagggtc gagtagcagt gggcgcggggt ctgcaacaat 240
 tagagcaata attgttgagc gccagcctat gcggtctaca tagaaaccga actaccggac 300
 tatcgcccg taaccaccta tagtttacgc ctggcttttt tggtagaacc ggcccaaaag 360
 cccgttcaac caaaaaaaaa aggtaaa 387

<210> 382
 <211> 548
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 382
 catacgcccc ttctgcggga atcgccccca catccaactg gtcagtgcgg attgtgccag 60
 cgggtgagtgg agatggcgcg cgaggacgag gaacgcacgc tggacaatga ggaggtgtcg 120
 caaccgacgg aggaggacca agtgggtcagt cgggcccggtc ggcgtgacaa tgaactgagc 180
 cttccgtccg gcgggtgctg catgccctcg agcagcagcc accggttcat ggctctgggtg 240
 ttcatgtgcc tgctgggatt cggctcctat ttctgttacg atgcaccccg cgccctgcag 300
 aactatttca agaaagatct taatctgacc tccgcccagt tcacgctcat ctactcgatt 360
 taactcgtgg cccaatgtcg tcctgtgctt cgtggggagg tttccttate gatcgactgt 420
 ttgggcattc gactgggcac gattatctac atgatgatct gctgggtgggg gtcaattgat 480
 cttttgcctg cgcggcattc tggacgcttc tggatgatga tctggggacg gggttatcttc 540
 ggattggc 548

<210> 383
 <211> 579
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 383
 attcaagcta aaaaatagtt gtttcgccac tatttgtgtt cgttggttatg cctatcgtgc 60
 aactgcgtcg ccggcatttc cttatttgtt ctgctgcgca aagaagaaga attgctgcga 120
 acggccggtg aaaaatcgaa gcagagagcc aattggaaaa gcaataacaa cttggctctc 180
 tcgcaaaaaca aacagtttagc ttgtgataag ggaaattaaa ttactttgtg tgcgaaaaaa 240

| | | | | | | |
|--------------|------------|-------------|------------|------------|------------|-----|
| gagcgcctaatt | cttaggtgga | attaccaata | aaacagtaaa | agaaacaaac | tgcaaacgct | 300 |
| ttccagcgct | ttgactcatt | tagtgccaat | atttcagagc | ctgcaggtga | caaaatgcgt | 360 |
| tgcagtttgc | aaaaggactg | cgcagctccc | acgcaggaaa | attttcgtca | agtaagatga | 420 |
| tacatgctga | atacatttaa | actgaactaa | aaactattca | ttgcatttac | tgacattcca | 480 |
| gcagatgcgt | tcccaattgt | gatttgccctg | ctttgctgct | tttctgcagc | ggtgaaagtg | 540 |
| tgcgcgttga | cgcagccaat | cagctggtaa | gtgggccgg | | | 579 |

<210> 384
 <211> 828
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|---|
| <400> 384 | |
| ttctcggcct | tttttgttgt cttggctgct tcttcttcca ccaaacgaat gcgctgcgcc 60 |
| tccagttccg | cctcatcctc gctgtcgatt tggagtgcta catccggcag atcgctcctcc 120 |
| tctctgtctt | cctcatcctc ctctcttctt tccatatcgg actcatcgga ctctctgtcg 180 |
| cggtttgcct | tcttcattgt ttgcagcgga tttgcacccat ttgccattgc cattttcagc 240 |
| atgtcagaca | cgaaacgctt gcttttcttt taacaaatcg gcaaaaactg cggcgcagcg 300 |
| ttcagaacaa | atccaaatcc accgacgccg ctggaaattt ttatttttct gcctctctct 360 |
| cactctctct | ctctctgtgt ctctttttagc gttcttacct ttgtttgtgt tcgtgtgcga 420 |
| gcgtgcgaaa | ttcggcgtag atgtgtgttg gtgagcgtga tcgcttgcaa cactgtttga 480 |
| gcgtgtcagt | gttatacagc gccttcccaa aggacagtgt tggaagtcgg agctgccgca 540 |
| cgcgctataa | ttcaaataaa aaggagcggt aaatgcgaat tgtaaagta aaagagcagc 600 |
| tgcgcgcact | aatgccattt tgatagatat ttgacttttg gcgcagaagc ggccaactat 660 |
| ttgtgtattc | cgttcacgcg ctcaaattggc acgtatttcc caatgcactt aaaaaaaaaa 720 |
| ccatgttaaa | tatacattaa aattctaaga aggaccaaag ttttgataa tatactcctt 780 |
| ggaagcttct | tttaacattc ctttggagtt agccactttt ctatataa 828 |

<210> 385
 <211> 472
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|---|
| <400> 385 | |
| gccgcgcgca | aagctgcca acacatacac gaatgttaga cacttcgcgg tcggtcggca 60 |
| gaaacaggca | attttatacg ggcgaaaagt tacaaaaaat aattttccca cttttcgggtg 120 |
| gcgaaaacga | agaaactgta aaaaatggac cagagattta agtgcaaac atagaaacat 180 |

| | |
|---|-----|
| cttgcgataa agcgtgctaa tccggggcat aaaactggta ctgccattat ctcgcttttt | 240 |
| taattgcttt tgtttatttt ttgtatagga cacagtataa tttttctttt gcgctgcgcg | 300 |
| cgtgtgagtg agtgtgtgtg tgtgatttgg ccactcgctg gtttctatgg tatgtgcccc | 360 |
| tatcgccgaa cagagttgcc gccttcaggg caaatcataa aaaatatatt gggctgtcaa | 420 |
| ttgaaaaata ttgaaaaggg ccaagcaagt gaattatatg ccgataagcg gg | 472 |

<210> 386
 <211> 1082
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|------|
| <400> 386 | |
| gcccagggca ttatcagttg agttaccagg aactcgtttt gtggccccga gagacaagca | 60 |
| tggaagactc aaaccggcat cacatttgtc gctatcagcg ctatttatac gcgccatcag | 120 |
| cggaaaaacg agttgggaat cataaccagc cgaacgcgat atgaatagca caccccaatc | 180 |
| cgaaagatac gggttcaaaa cccgcgcggg gcgaactcat taaatatatt tagatctatg | 240 |
| tgaaccacat gtttttgtgt attttattaa atatacatctt cccatttttg attgcaggga | 300 |
| atcacttggg gctgcgccta cagaataaca ggcagcacgg cactggatta tctcaagcag | 360 |
| cgggagtgca cactgggtaa gtaaatcgaa ttgaagagaa gtggggacca tcatttgagc | 420 |
| taaccacga tgactccaac aggtggctat gcaacaatcg ataccaagtt cttcccgcg | 480 |
| gtcgctcgc aggacacgcc cttcagcggc gaggcggctg aggtactggt ctatgtggcg | 540 |
| acgccagaga atatctattg gttgggcgat gacccggtcg aggagattgc ccagcagatc | 600 |
| gtatcctgcc gcggtcccag cggacacaat gccgagtacc tgttgcgctt ggccctgttc | 660 |
| atgcacgagg agattcccgg cgtgagggac gatcatctgt tcgagctgga gcaattgggt | 720 |
| ttagaggaac tgtaccgccc ccaaatacct ctgtcatctg tgatggggccg caatccagat | 780 |
| aggatacgcc gcgactcgca cgaggacatc cgccgcccgc catccttcga gttcacctcc | 840 |
| cgtgtgcccc acaccaagct gcgttgccctg aacatttgat ttctggtgtg ctggcggcca | 900 |
| agtgctatgc aggtcgcgtt ttttgctaca gcaaattcca aattattgat cgacatttta | 960 |
| gcttggtagg taaccagagt ctattgcaa atttgacgta tttctttaaa ttgtaaataa | 1020 |
| tcctaggcct aatcataaca gcaactctca taagtgactg attagccata actaggatta | 1080 |
| ag | 1082 |

<210> 387
 <211> 505
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(505)
 <223> n = ambiguous/unknown nucleotide

<400> 387
 gtcggtacgc ggttcagcgt ttttgttcaa cggattagcg caagttaagc acgatggcgg 60
 cccagacgat actgtttgat ttcacgctgg acaaggacaa gacggcggat gaggaggcgc 120
 gcctccaggt ggccaaaatc ctgcgtaacg agctggagca gctgttcccc cagctggagc 180
 tggcctactc gatggagtcg ccggaaaacg gctactttgc ggtgctgcac gagaacaagg 240
 acacggtgat tacctgccgc atcttccagc acggcctgct gacgctcaac gtgggagtac 300
 ttcctgcccc atggcaagga gccgagcata tccttcgacg gtaccgtagt tcagtgccat 360
 tttaggttcc tttaaaaaac tcaaaaaaca agcaagcaaa caccgacag cagcaccacc 420
 acccacatct ttcttacctt cccattttcc gtgtctcgtc tgaattattg gggaaagggg 480
 tttttccacc acccggtgna aaaat 505

<210> 388
 <211> 637
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 388
 cctcggcgca tttttttcaa agcgaaacgg cagaaaaatg ctctggcatt ttacggattt 60
 ctaattgtat tatttatgtg agaaaattgc aaataaaagt gagtccatca tgccacccaa 120
 gatggagccg attagcgtgc gcaccgcgcg tctgaacaac ctgattctgg gcaaaggagc 180
 tggcgtctgt gcgaagcccg ctggaagcgc ctccggatca ggtattcccc cctccaccag 240
 gagaagcatt gtacccgtga gcaccactag cgccgcctg gccgaggcca tctgccgcga 300
 gggactcctg gacgccttct gtctgctgta caacgagtgc gacaaggata cgctgaagaa 360
 gcgcgatcgc aacatcgccg agtttgtcaa caaatgtgag tcaactgcat tggtcagcag 420
 ggttttcgga tggactatct accattctat agaaatggaa ctcagaaccc catttttact 480
 tcttgggtct gagaatctac ttttgctaata catattccat tattaagcc cacaaaatta 540
 ttgggagtag aatctcttat agatttacct gtatgttccg ggttccctct tgaaatagac 600
 tatgcctagt taccattat attactatct aatttct 637

<210> 389
 <211> 518
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 389

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tgttgggggc | tctgattccg | gcggttcttc | gctcgccagt | acgctccact | cgagttagt | 60 |
| taatcgcgga | acgaggacga | ggtggtttcg | actcgggcgg | attggattag | atcggtctgc | 120 |
| attgatgagc | taattagacg | cggaattgc | tcgcggaaac | aacactgaac | cagaagcagt | 180 |
| caaagctaaa | aaacaggaat | gccgttgacc | aagagtttgc | caaataag | tttcagctgc | 240 |
| gattgccgag | cgactgacac | gtgttgcttt | tgcaattgac | tgtcagacgg | gagagcgag | 300 |
| aaatgagagt | gcgactgaga | cagtggcggg | tagcgaagg | ttgtttgtga | actaccata | 360 |
| aagataaaag | tataagtaaa | tacgtacata | tatacagcaa | aaagatatc | aaactaatca | 420 |
| agtagaggag | aagaaacccc | aatgaagcaa | ccctttacca | caactaatta | tttactttgc | 480 |
| aattcttctt | tcagtcctcc | gtcgcttttg | aagcgcgc | | | 518 |

<210> 390
 <211> 500
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|-------------|
| <400> 390 | |
| catgtgagtt | taccgtgcag |
| tggtgccccaa | tatgggttttc |
| actaaatata | ccagcaaatt |
| | 60 |
| gtgtcgttgc | cacatggctg |
| taactggcgt | gctttacagc |
| actgaccaa | acagctgtct |
| | 120 |
| gaaagggtgca | ctaattactg |
| tctttcattc | aatttactaa |
| ttaaaatagg | aaaaatatat |
| | 180 |
| aaagtataac | ctttaaaaa |
| tggtttgtac | taaacggaga |
| agtaaatgca | tatgaaatca |
| | 240 |
| aattgtttga | aggactatca |
| aaacagtgtt | ggcaaacgcg |
| caatgtatta | ggactggcgt |
| | 300 |
| tttacatgat | tggcatgacc |
| gcaaaaaaat | aatgctttca |
| tttgcaatgt | ttgtaagcga |
| | 360 |
| ataaagtgct | tgaactcatc |
| aacttaaaca | agtacaatgg |
| gcatatgaac | aaattattta |
| | 420 |
| gtcagagtgc | aactggtgaa |
| cagtaaaaca | aaaaaatcgc |
| tcattgcagtc | gtacgtttgc |
| | 480 |
| tagtgcgccc | ataataacgc |
| | 500 |

<210> 391
 <211> 641
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|-------------|
| <400> 391 | |
| gatggatgga | tgaatgggtca |
| gttcgcattg | ccagctctag |
| cgattcactt | acattgctgt |
| | 60 |
| atgagactcc | caaaagttga |
| atcaacatct | cgttcggcga |
| ttcctcgcct | tctcgcgga |
| | 120 |
| tctcgtctag | gcgctgcagt |
| cgctcactct | gcgccaggca |
| gacccggcac | gtctgtgggg |
| | 180 |
| taagctcgac | gcgcattctg |
| gaatcctgct | cgaaatttaa |
| tttaaagaac | cgctcgcgta |
| | 240 |
| gtattgtagt | gttaaaattt |
| gtgttgctaa | agtgttgtgt |
| aaagcgactg | aaaaaagaaa |
| | 300 |
| cgaaaagaca | tcgccatttt |
| ccttaccagg | gctgcatagc |
| atcggcgaac | acgatgtggg |
| | 360 |

| | |
|--|-----|
| tcattttgct ggttcgga agcggatttt tggttaaata tctgataaac atgtttgctg | 420 |
| cttgtgacaa tacattggaa atatttggtc ctttaaccat ggctaaacga tatgatatga | 480 |
| taactgaaag tattccccag tgtgcctata aacaccaacc acttgtaaaa tgagaaagaa | 540 |
| aatattaata cttcaaatat tcaaataatta tgaaaacaat tatatatata tttatatatt | 600 |
| tctttcatat ttaccgtata tttagataga gtaaagaatt c | 641 |

<210> 392
 <211> 287
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 392 | |
| ggtcggacaa aaggcatttt tttaattggt taaaaatcat ttgactgcaa cgtttaaaac | 60 |
| aacaaatatt aaccagggct gcacgatcag cgggttcac aatatatgta tcttcaaaaa | 120 |
| cggctgattg gtggcaatgg aaaagttggc gaaatttggt tttttatttg aggaaacttc | 180 |
| gattaataat ccaacagttt aacaacaatt cggaataac gttggaggga aatctttcga | 240 |
| taggttacta ccagggttgg tcgagggcag ttaggaaaat ggaattc | 287 |

<210> 393
 <211> 543
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 393 | |
| gctgtaatcg acaagtgata cacctaaaat atctggcgcc cggttaactga actaaaacat | 60 |
| tttcgtagcg ccgtggccac aaaaaataa aaagaatcca gggctgcgga ggagcaggtt | 120 |
| cctcagcagg gtggagcgga atcagtttgc tccgatagct tgatcgcgca ggctggctc | 180 |
| accatcgata tgtggcgctg tgctcttacc gatatttgac gctgggctct tatccgatgt | 240 |
| ggcgcgcgga taactagatt atgaatttcg actaaattta gaggctttt aagcaaacat | 300 |
| tttgtatggt gactcttcaa aattcaagac gtttaatcct ggctttaaga ttgcacctgg | 360 |
| aggtggattg tattatattt aaaatgcgtg gcagtgccaa cgcccttgcc gaggttttaa | 420 |
| ggagatcaca gtttttgctg aagcagtcac gtcaagatat atgctctaaa agagttcttc | 480 |
| cggctagttc atactcttca acaagtaccc atttagcttg ataccggtta aaagagcgca | 540 |
| cac | 543 |

<210> 394
 <211> 682
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 394
 ctttggacta gtcagccgcc acgaggataa aaatcgtttt cgctgacttt taacgcgcta 60
 aaatgtttcc tgacacttag tgtgaccgtt caactgttaa gaactaatac tgtccggctc 120
 aggaaaatat acttttttatt ttggaaggta ttccatttat gttcaatata aattatgttg 180
 cagagagcgc gtggatttta taagcttggt ttgattcttg tacaagcaaa tgacacattt 240
 aagatttcca taaaagtcta gaagatcatt tacagtcac gcataagcca gaaaaaacg 300
 aatatcgata tgtgtttgtg ttgccccaac tctctctttt ggcaagaaaa atcgatttcg 360
 tttttttgca gctctgggac gccttcaa at tgcggttaaa ctgaaactgt ttgaaaatag 420
 cttttgtaat aagtgccttt aataccacta ttaccacac tttacttaaa tttctaaagc 480
 aatcattggt attacatgac aggattgttc agatattccc ttacaagtta ttacttggtt 540
 acttattttt ttggatggaa tacgtataat taaatataat atactaatta aaaataaata 600
 cgaagacaga gaaaagtcta aatagaatga gctaatttaa gtaaataaat atatagctta 660
 cttagggccg tgggtggttg gt 682

<210> 395
 <211> 513
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 395
 gcctcgacgt tcgctaacag agctgagcac tgttaagcgg cgcttcgtga ctgtgagccg 60
 aacgcatacg aacgacctac gccagcgcgc tcaaacctgt tggccaactg agtgtgcaac 120
 aaacatgttg tgtttacgtt ttttccttgg cctaagcggg ttgagcgtgt tgctgtcctc 180
 catcaacatg ttgcactttt cgggcttggc aacaagtgtt ttttgtttcc aactaccaga 240
 tactctttct atttaactgt atttatgggt gtagttatat tatgccgtta attgtgaaat 300
 gttaccaatg agtattgcat ataaaaatca tttaaaattt acatattaca aactcaagct 360
 gattttatta aaattaaatg tatatatcta agtcctattc aaaaaaaaaa cgatatcaaca 420
 gaagctgcgt aatatattgc ttaattcaaa ttggacattc agcccgaata aaatattttt 480
 gacagatcac taggaagctc tgacacggaa aaa 513

<210> 396
 <211> 958
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(958)
 <223> n = ambiguous/unknown nucleotide

<400> 396
tatgtaacca accttttttcg ggttttcttag aagattcagt ggaagtggcc agaggtgcag 60
gagtctgcaa atcaggaact tcatcaaaac gatttttgccg cacagaaaat gctgccgcct 120
gcaactcgct cagttgcgtc acaataagta gcaacaaaat aaataaaatg cgactcatta 180
tgcgtttaat gaaacatttg ttggcttata cttaaaaaag aatcgacaag ctcaacctaa 240
tcgtgttaaa ttgaacttaa aatgccgccca ttttgcactc gataccagga atgctcgata 300
tcacagcaag tcgaaagcag tgtactgtaa ttctcgtagc gtgtgctgtt aatgtcagta 360
acattttact gttaagcgca acttctctta ttagcaaatt gtgcaagcag ttcaaaaaat 420
aanaaatggt caatatagaa tttcattaat attataaaaa aataaacaata tattttttta 480
gttgatatcc ttggcaaaaa atattttttaa aacctatgag tagaaatccg gaagccagta 540
aatcgaaaac ctagtgttct accaaaataa atttaataaa ttttaacaat gttgtgaca 600
atgatcaatg catagggcga ctattgatat ttagagtttc acaaaaatta aaatgtattg 660
catcaattaa aattaataaa agaatttggt tttgtggatt aattacgttg atgttggtta 720
cgtctatttt aaaattgctt atgccggtag ttttgtagtg gaatcgataa taagcaaacc 780
aaaaatcacg aatatatccg gatgtttaac tcccttgga ttgccataag ttctgcccct 840
ctaattctca ngtgggttgt accggggggg tataaacttc ataattggat tactctctta 900
taacttccca aattttataa tattatatta ttgcaattat tgcaatttgc atttactt 958

<210> 397
<211> 289
<212> DNA
<213> *Drosophila melanogaster*

<400> 397
gtctcgcttc ttagcaaaaa tggacgacga tgcttgctg acgggacgtg aacagagtga 60
ccgcatggcg accgttaata ttgggtgccc tgctaacgga tctataccaa aaaatacttt 120
atggttctac caaatatagc aaaaacttca aataaccgaa aagtctgggg agaacatttt 180
tcaattgcat attctatgta ctttcttgag tcctataacc ttaagtcatt tgtagaaagt 240
tagattttcc ttttcttagc attattgcat ttttattttt atggaattc 289

<210> 398
<211> 538
<212> DNA
<213> *Drosophila melanogaster*

<400> 398
gttttagagta caaattgtgc agcactagca agaagcagtt tagttacgtt tactccgtag 60
aagcgcgata caaaaaagtc aataaaaggg tgaaaagcga acgttctaga cacagaaagt 120

| | |
|--|-----|
| attcaaaaat actgactcag tcctggcgca gcatcggtga ccaaaagagc ggctcttcac | 180 |
| ggtgaaaagt ttccgcaaaa tcggcatttc tgaaagttgc gcgttcacgg tatgcgaagc | 240 |
| gtggcggtgtg tgtcgagttg agttacctgt aattgtgtgc gcctgcgaga gtggaagtgg | 300 |
| agtaaacctc gccaccgttt tgaagttttg gaaagatata gggataaccg cccagcgttt | 360 |
| attttaaaca atgtcggagg caactgtggc ccaaaagccg gaggcggtgg aagatgtgaa | 420 |
| tgcgtcgacg ggggacgaga agcagactcc cgtaagtagc cgcacataca catatttagc | 480 |
| gacaattaac atagcacggc gatacgaca ccaacacggc ttccgtttgc tttgccga | 538 |

<210> 399
 <211> 627
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 399 | |
| attcaggtat tctcgcaaaa taaatgtaca tatgtatctt tatatataca tgtgggggtcg | 60 |
| tccctctgac gtaccaagtt tgcttgaata gccaaacaaa caccttttgt tgacgtaa | 120 |
| agcacacaca gtctacacac agtcacacgc taaaacgata atgcagccgt tacgtagtta | 180 |
| gcactacgtt acaggttggt gctacctgga aatgtaatcg ttacatgtct tatttccct | 240 |
| tttcgggttc ccgtttctta ttatacacac acacacgcgg ccatcgaaat agaactgttt | 300 |
| tgttttacct ttggaacgtt acatttcgta ctgaggtaaa aaaggatttc tgtcgtatac | 360 |
| tggacgtttt ttccatgtgt atatgtacat attatctttc ttactcaacc taaatttaaa | 420 |
| tatagacctt ttaacgtaag gaatgtattt caataaactg cattgtaatt aatgcggttg | 480 |
| atgctgattt cataaatagt ttcataagaa ataagacttc aactattttc ctggtaacat | 540 |
| aagccaatat gtatcggttc gaatttcaat gggttctttc gctcttctcc aaaaaccagg | 600 |
| atcagcacgg cttggaatgc gaaagca | 627 |

<210> 400
 <211> 682
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 400 | |
| gccccgatca agtcttaacg gcaagttgca gcaacaaaca ttttcattcg ttttcgcatc | 60 |
| gtcgaagcgt acggttcata ggaggaacgg aacgaagcgg ggaacgcgac ggaaactagt | 120 |
| tgctgttttt ttgtccgtgt taaataattg acacaagaaa atttagctac acttaagcaa | 180 |
| agtccgcgaa aaatctatta aaaatcggtc gtcgttttgt gtgtgtgacc acgaaaaaag | 240 |
| tgccccgatc ggaggatttt aataaattca attaagggtc cgtcccaacg atcgtttttc | 300 |

attgtctgac gctcacgcgt gatgtacaaa tgaaaaagta aaaattttaa taagatcaaa 360
gaaagaaaga tcacagtaaa atttaaagtg ggattgactg cacaagaaaa agaaaagttc 420
cttacctcct agccagaagt caaaagtga gcggaagaaa gagtgggaga taacaattaa 480
cggttaagtt gtaaagctaa aactacacaa taaacatatc atgaaaaact ttataaaaca 540
taagaagggg ggcattttat tattttgggg tatcagcatt tacatcacct tggttcgaat 600
caaactgatt ttaacatgca tttggacca ctacaccgtt cgaatgtatc tcttatggaa 660
atggtattgc tatattatcc at 682

<210> 401
<211> 668
<212> DNA
<213> *Drosophila melanogaster*

<400> 401
gtgcagtgcg tgtgttaatt aattttgggt gccatttcgc acattctgta tttattaatt 60
ggcagtgc atgcttcggc ggaagagggc aactttccgt tcattttcga gcttcggtt 120
gtcggccaat tagcagcagg tcgacaaaga aaaagcaaaa acaagcgtaa aggataagcc 180
aacatgacgc actgggagga cttctacaac acacacctgc cgcccgcgga cttcgaggac 240
aatcgctccc tgctcaagga gttctgcgaa cggcacaaca agctccagaa tcgaatcgtc 300
ctcgtcacgg tgagctggga ttaatccaaa tccgaattag gattaggatt agcgctaaat 360
aaccactgtg ctccgttaat taactggcca agctggtgaa agctttcatg gttgagccga 420
gcgcctgggg cattaaaaac aaatgtgtaa agtgtggaag tgaataaatt ttagattggc 480
tagaacaaag ttcgtaaatg ttaaacacat gcagggggcg accagcaatg cataaacaat 540
taacattttg tgaatggaaa aaaccaaagt gtaaagtggg ttttttttta acatacttta 600
aaaagcaaaa acaccttttt ttgggtgggt taaattttca tttcagaaat tatcttagtt 660
aagtttca 668

<210> 402
<211> 563
<212> DNA
<213> *Drosophila melanogaster*

<400> 402
cccgaatga taaactcaac atgcttgcta gtgtgaccaa cgtatctacg cacgatgcga 60
cccacctatc gatagcttct tcgccagtta ttgccctgcc tttctcatca ctaaaaacag 120
cggcatttta ttgtgcaa atagaatttct taatataaac tgtaataaga actgctcact 180
atgtctttta tgaaccccg gcatatgggt gatgaggacg ccgccgacct gcagtttccc 240
aaaggtaacc aacgccctac accaaccgaa atgcaactta caagtgaac tggctgaaac 300

ctttggcttc gagtgcccca aaagtggcac tctccacat ttttaccaca ctgaattgcc 360
tctttgcagt tgagccactg gggccacagg ttaagcgggt catccatgca catcaggatg 420
aacacaccag gaactccatg gttttgtata atccgcacac gttgcacagg tacttggagg 480
agatggagga aaagacgcgg gaccagatag ccagtgttcc atcggctaca aaggatgcca 540
atccggtgtg ccacatgtcg ctg 563

<210> 403
<211> 618
<212> DNA
<213> *Drosophila melanogaster*

<400> 403
gtctggacac tgtatcacca acttttcggt gcactgcact tttttcgccc gcgacagcgg 60
tagagatgta aaataacaat ttggcatcga ctaccgatga ttcttggcga tagttgtcga 120
ttcgcttttt gctatcgaag ttaatcgatt catcggtcga tatctacact ctacaaaatc 180
tccactcact tatgttagcc aatacaacaa ccaagtccgc gcggtattca aaaaaaattt 240
caaatatata aaaaaatcaa acaaatgatt tactataacc gtagcgaagc tttctcttag 300
gtattatggt taatttcaaa tcgcaaccct taaatgagtt aaacactggt tggatcgcga 360
tagtttacgt ttattttggt tgagaaatgt ctagaacacc aataaagtaa attcagtagc 420
aaacaagttg gattagtaat attaaatc cacttgtcgt tcgcatttat tgcttcttat 480
ggctcttctg gacttaagag tatatctata taaataccag taatatgagt ataataacca 540
tttcgggtat gaaaaagatc tacaatccaa tgcccttcat ttacgtttgt aattgatatg 600
agtattgcct cgattcat 618

<210> 404
<211> 499
<212> DNA
<213> *Drosophila melanogaster*

<400> 404
atttctacct atatatgcct ggagcataca caaatctggt cccaatctg ttatttaca 60
gtccccagat agtaattacg cactacttcg tctgttcaca gtaaacagca aacaaaatgg 120
ttaaggagac tggatattat gatatacttg gcgtgaagcc taatgccacg cccgacgagc 180
tgaagaaggc ttaccgcaag ctggccctca agtaccatcc ggacaagaac cccaacgagg 240
gcgagaaatt caaggccatc tcgcaggctt accgaagtgc tgtccgatgc ggacaagcga 300
caggggtgtac gacgaaggcg gcgaggcggc catcaagaag ggcggcgcag attccggtga 360
cttccgcaat cctatgggac ttctttgaag aagttctttg gcgctggatt cggaggtagt 420

gggcgggtgga cgcagggcgca gaaggcggtg caagggaccg tgggtgcacca gatgggccgt 480
acagctggag ggaagctgt 499

<210> 405
<211> 489
<212> DNA
<213> *Drosophila melanogaster*

<400> 405
gcttgtgccg caaccccaca cagtgtgcc acctgtgggc gaaaaagtta cgtctacatg 60
gtgttctggt cacactgccc ccgccgtgac aaacaaaata gaaaaaaaaat aaaacaaaag 120
ataaaatttt agcctcccc ctttgagaaa taaaggggtca tttgaggcag tttaaatacga 180
aaagaatcca taggcacgga gagcccagca cacatagaat gttccacttc agcggcttca 240
acatgatgtt cccggaggga cgcaattttc atgccaaacta ccaagtgtt ctccgtatcc 300
catgttgcca ggaaacgagc gaacccgacg tggaaaaggg cggaagagg tgagttaccg 360
aagtgtaggc ttggcctgaa attcatgtga acaacacatt ccatcccaca gttattatgc 420
ctccctcggc gcttggacac gtcacccgc ttgaatggtc gagtattcaa tggctgggtca 480
agctgcca 489

<210> 406
<211> 518
<212> DNA
<213> *Drosophila melanogaster*

<400> 406
cgccacaca gtcacccac tgcacccctc gccagtaaa cactccgctg cgacggctgg 60
cggttgctgg gacgtttttc ggcaccttcg acggcgtctt ctgttccaat cctcgactgc 120
gtcgcgaacg gcgatccgtt tgttgcaactt tctggcctga cacgtgccg attcgtttat 180
ttaggcgttt ttttcacgct aaaacaccca agaaatgtga gcaaatacat gcctctggct 240
tatcgatagt ccccccgca tatcgctcgg ccagcgcaac tgcggcatgc tcatcgataa 300
taaccgcgtt aagctgagat atgcaaaaaa tggcttaatt tatgtgattt attaattttt 360
tattacggta acgagcaagg aaaattagtt tgcagggcgg ttcatttgat tataagccaa 420
gttttttagta aaatattctt tttcttttga acacattaag agctggcaaa aaataactaga 480
tgggtccgga tatgccagaa taccaacatc tagaaacc 518

<210> 407
<211> 565
<212> DNA
<213> *Drosophila melanogaster*

<400> 407

| | |
|--|-----|
| ctatagccca tggccggtg acatcccctg atcttgtcga ccttcctgct cagcggattg | 60 |
| taggtgctgc cattgtagtt gggcatgtcc acaaactggt ggatgaacct cacatctcca | 120 |
| gtgacctccc gtgccgtgga ctccctggctc tgttcgttga gcagtcccag agcagcatcc | 180 |
| gccagacgtt gaccaagat ctgggtgctt tcgaacatat ccttaccggg tccggaggca | 240 |
| aagcaatctc cctcgccagt gggacaacgg gaggtcagta gatcacactc attgccggag | 300 |
| atcgagcact tgggacctat tatattgggg gacacatcgc caaggttgga tgagcagaag | 360 |
| gcacccacga acttgccctt tccgggcac tttgttcggat tgtactcctt ttccaggagc | 420 |
| agggcggtat aaccacatt gtcgctggtc accagtctgg ttggtattgg tcatgggagg | 480 |
| tggcatgcac cgcataccca gttgaaaagc gcccaggaag gttggtttcc aaggctgaca | 540 |
| aatcgactg gggcaagtg cttaa | 565 |

<210> 408
 <211> 498
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 408 | |
| atcttgacaa aaatttttgc aagcgcataa aattaaacaa attgtagagt tgtggacaac | 60 |
| aaatcgccac tagaataact ggaaaaaagc gaaaatgggt agtactagac aaacgcgact | 120 |
| cacttgctcc gcagcagaga ctttttaact cgcaccaaac cgaagattgc gtctttcgtt | 180 |
| ttcccgtgaa atttgcgcat tttttcggaa ctttcacagt ggcgttgag cgaccgctct | 240 |
| tgggcggcat aagggttaag gggcatgtgg gtggctacgg gtgggagggt tccgcggagc | 300 |
| accccgctgt gaccttgctt ccatttggga ctaccgacgt cacagctgcc agctccgggc | 360 |
| gggtagatac acatcccga ttaacaccac gcgctcccgc acctccgatt cgccgtctca | 420 |
| tgggaagtgg aaatgggaag tacagccctt ttggtccac atgcggattt tacctggggg | 480 |
| gtggaaaggg aaaaggt | 498 |

<210> 409
 <211> 601
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 409 | |
| aagcagacca agaaaaggaa taaagataag gcgctcagaa tcaagactgc aacgaacggg | 60 |
| aaatgccctt tggctctggg aagaaagtaa acaatcgag gtgaaggcgt ttgcgagttg | 120 |
| catttatcaa aacggattat tgtgcaatag agaaaggtgt cggacagggt gtgttttta | 180 |
| tgacacttcc cctcgaaact gcaacttct catgtcaaaa cataactcga cgaaagacag | 240 |
| gacggatcaa ttcttacttg aagatttcac ttcttatagg gagatttgta agtcatatta | 300 |

| | |
|---|-----|
| atggagttag gcgtatgttc atatatcacc ggttataaga gttaggaagt ttgaaaaacc | 360 |
| cgtgttatcg aactacaaga tatacgttag tattatatca ttttatttat ctagttttta | 420 |
| ttctacagtt ttttaatcca cctttaatgc aatacagtaa aactatTTTT ggagttctac | 480 |
| gtactgaccg gcaaattcaa catgaactaa acgcatagta caacttttct tactgtcgaa | 540 |
| agactaagaa attaatgcga gctgctccgc tggccgcaac gaaggagaaa acgtaacaga | 600 |
| g | 601 |

<210> 410
 <211> 628
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 410 | |
| ggccagatgg aacatattgc ttccgggagc acaaggatcg ggtctactac gtctcggagc | 60 |
| ggattttgaa gctgagcgag tgcttcggct acaagcagct ggtgtgcgtg ggcacctgct | 120 |
| tcggcaagtt ctccaagacc aacaaactga agttccatat cacggcgctc tactacttgg | 180 |
| cgccctacgc ccagtacaag gtgtgggtga agccctcctt cgagcagcag tttctctacg | 240 |
| gcaaccacat acccaaaacc ggactgggtc gcatcacgga gaacgccggc cagtaccagg | 300 |
| gccgtggtgg ttactccat gaacgacctg cctctgggct tcggcgtcct ggcgcgttcc | 360 |
| acaacggact gcaagaccgc ccgatcccat gaccaccgta tgctttcatc agtcggatat | 420 |
| cggcgaatat attcgcgccg aggacacgct ctttttagatc catagatgct aagttttaca | 480 |
| tgtttgtagc aataaccatg tttaggtaaa taaataagta tgctgaaaaa cggataaact | 540 |
| gcttttgatt tatattttta tggttaatact gataataata ataattgata taaaattacc | 600 |
| tacatttcat aaattattaa aaaaaatt | 628 |

<210> 411
 <211> 1139
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 411 | |
| gtcaaaacca tccatagtga tgtgattttt tgaaaatcta tcaaaatatt ctgaggtaaa | 60 |
| cttatgcgct tttgcgtcgc gtgaaaaagt taacgcaggc aaacagctga taagcgttag | 120 |
| gtgttttgca aactggcgga gtcagtggcg cctagcctag caatttgata agtgaatgaa | 180 |
| aatacacaca tgccgtaaat aaataatgtt ttcaccttac gcagtaaata aaaaataatt | 240 |
| aaattgcgaa tattattaac ttttgatttt gtattgaatc tcagaacaat ttgtttctgg | 300 |
| ttctttaatc gacacctact cgatagttct gggtatcgcg ccgatcttat ctttttcaaa | 360 |

actaattttt gtctcttga ttataaaata caaaaatgct ttattaaagc gaaatattaa 420
 aatattcaaa acgagtaaca gccacggata acaaccaacg ttttttctgc tttccaggcg 480
 actacagctt taaatgcccc ggaagatgga tgccacaagg cattcctcac ttctacagc 540
 ctgaagatcc acgtccgagt ccacacgaag gtgaagccat acgaatgcga ggtgtccggc 600
 tgcgataagg cgttcaacac gcgctacagg tgagtaatca tcttccactt cggaggactg 660
 atagccaccg gaataaacca atggctgcgg gcccgccctt attaatctgt aatcaacgtc 720
 gcccgattca caaacagatt gcacgccac cttcgtctgc acaatggcga gacgttcaac 780
 tgtgagctgt gccagaagtg cttcaccacg ctgagcgacc tgaagaagca tatgcgcacg 840
 cacacccagg agcggcccta caaatgtccg gaagatgact gcggcaaagc cttcaccgcc 900
 tcgcatcacc tgaagaccca ccgaaggaca cataccggcg aaaagccgta tccttgccag 960
 gaggacagct gccaaaagtc gtttagcaca tcgcatagtt tgaaatccca caaaaagatt 1020
 accagcgaca attgcaaaac aaaggctcga agaaaggcca ctaaagacca gcagaccaat 1080
 gcagcgatca ggagcagaag gtcccagcag gaggagcaga ggaagaagga gttcattaa 1139

<210> 412
 <211> 569
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 412
 gggtgtgcag ttcgggcgaa ctagttatga attgaaccgg ttcgcgcggg gctttttacc 60
 agagttatca ggccatgcc aaagcgcgc tatcgaactg gtttatgtgg tacatataag 120
 ggaccctaaa tttaaatttc tggcaattgg gatttcaaataaaaatcaaat cattgaaatg 180
 cactgtaaga atgtacactc tactagtcac gtttaattgt aaataaatat ataaaaacat 240
 atagtattat taatttgatc aaattagaaa gcagtcttag ggccattat ataactctgta 300
 gaaaataatt tccttatttt taatacattt cgcagtgtgt tctgatgtat tatcatttta 360
 taaattagta ttaatttaag tgcacgaaca acctattcgt ttattcagtg ggtcctactg 420
 ataacgataa gtccgatatc gataggagta ttgtttttat tttgtttaat gtaatataca 480
 atacgaagta attgttttga tttcatgaga atgtcgaacg cgttggaaac ctgccaggag 540
 cctactgtgg gccgatcacc gctaggaaa 569

<210> 413
 <211> 574
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 413
 ccctggggaa ttggcagttc actttcgttg gtggctcgag tgcgacgtaa agtgcggcag 60

cgaagagcgc ttttccaggc acagtgcgcc actacttgcc tgcaagtcag ccacaacaat 120
ttctcggtaa ttgcgttgca aagtgcgtaa ttagagcttg ggggaaaaac tgcgttttcc 180
gcaataccag aacgtgcccc atttccacaa gagcgtacgc agatccgtga gttcagtgat 240
tcctctaagc tcaatgtggt aacgagagcc atggcgatga ctttgaaatg cggaaatgaa 300
agtacaaatt cggttgcgtg ctggggaaac ggctctgaaa attttacagc caataacaac 360
aaaggcaaaa caaacgcgta attgcagaaa tcagcttggtg tacctacgga cgaaccagag 420
ccccataaag aagaggggca catgccccct accccgcgac ccattatccc ccctccgtcc 480
acaactatgg agcccaacag cttggtcgcg aagccctctc tcgcgctctc tctctctctc 540
tctgctttgt ctcgcctttt atggactaac tttt 574

<210> 414
<211> 360
<212> DNA
<213> *Drosophila melanogaster*

<400> 414
cctccggcca agcgccataa ctccacaaaa ctcgatccgg aattatattg tgagtttgtg 60
tgaatgtcta ggcttgatcg agtcgacaat atcggcagta gcgaacgact caagttctag 120
ccagcacaaa gaccacattc tgcaaggaat ccgctagcga ggatcttgct gaaaccaagt 180
ggaagtggag gagacgagga ctccaggcgc cgcgcacaag aacacaaaca acaaacgacg 240
agtgcgctca cagcgaaca cgcattcaaa atggcgccca caaaagcaac aacgcgcgcg 300
gccatcacaa gcgggcatca tcagctgcag caggcagtgat atcccatctt gggagccctt 360

<210> 415
<211> 649
<212> DNA
<213> *Drosophila melanogaster*

<400> 415
agacgtggtt ttcccaactt gcaatgcagc gaattaacgg atgtaatgcg acgcatagct 60
tcccgatattc tggaaacaag caaacgaagt tgcagccccg aggttgatcc ttgcatgaca 120
accgattgaa tgagagagat tgagacatca acgcgcagtt acgacatcgg gggattacag 180
tctggtcaga tattggtgag tccgagattc agatgcgaat tgggtgatgg ggtgtctgtg 240
gttactgcgc attacgttggt tcgatcccc cttaaagcatc tgctttcaca gggcaagcta 300
gcaaaaggaa aacaaacgcc atgtcgacag agcgaagctc gcattcagct gaaccagcgg 360
atgtggcgct tttgttggtgac cgcattcaaca tcaacaacaa caataataat aataagaata 420
ataataataa taataacaac aacaacaaca acaataataa taatgacaat aacaattgcg 480

gtcgcagcaa gaaccggtgg gaactcacag ggaaatatgc aactgctgaa gcccgaagct 540
cattagaatg tgccccgcag caatctgaca gcaccaagca acaaacaatt tactcgattt 600
gccagcgggc gcagcgggca taactggatg atcatatgcg cggccttta 649

<210> 416
<211> 572
<212> DNA
<213> *Drosophila melanogaster*

<400> 416
gggtgggactc ccgatatttt gtggagcgga aggtgttttg atttccttag catttagcac 60
aaaaaaatgc aactagtata aagtactgtt cactataaca atttttaacc accgatagcg 120
agtgccttcac tgttgtgtgcg agtaagagag atagagagca actagctcca gcatcatgag 180
aatacaacaa agcgccttgt tgttggttgcg gctggccgtg acgtcgcaag gagatgccga 240
gtccaattgg aatggtttgcg tcttaatttc taactagaat gagttcatca gcagccatag 300
aaaattatat tgcattcatg ttttcatatt tttcgatctt taagtgcatt ccactgccgt 360
acttattaca caaatgcaca gagataaaaa ggggatgtga tgcgggttggg tttttctta 420
tcattcttga taagaaacta gaacatcctt ttctcggttca aaacatacaa aagtccgaaa 480
tgtaagtttc ccttactttt ttctggggta tgcgcagtac atatctcaaa gaatttgttt 540
atgatccata taccaccgac ccatctctct tg 572

<210> 417
<211> 654
<212> DNA
<213> *Drosophila melanogaster*

<400> 417
atccaagggtg cataaaacga caaagtaaga aactgtgagt gctgtggaca ttaaaccagc 60
ttcgatttca agaagtcgca ctccctgaaa gcaagcaggt aatgtaaaac attcatcgcg 120
tgcgatgcaa ggggtatttt gaagtgcggg atcgcaacgt tcatatgcgt acaggaatcc 180
tcgcacttgc atacatactt acattgcata tttcactgat gctaagggga tatttgaaat 240
gcaaaagggtg tcacgagtgc atttcgtgtg ctttcctgct aaggattgcg gaaactcccc 300
aacaactgtg gtttaagggt acacgggctc tgtttgccga atctgcgtat gtaccgcagt 360
ggctgtgtct gtaggtatgt tcgtttgggg gtaagaacgc ttgagactgg gaggtcacat 420
tttctgaac ttaccattt tgccttagcg tcaatcgcta acccctcgcc tttgctttca 480
ggatcatcagg tccagacttg tcagtgtttt gaaaaccgca aaaccctttt gcgatcatcg 540
taacgaaatg agtgccgtca ccagcagcga tacagccatc agcggcatgg ctcttggccg 600
gagccagaca tctgccgtac tacgtgcgcg gcattgccgt ttgggggaact ttgc 654

<210> 418
 <211> 378
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 418
 ggccagaccg aaaaatagca tcgaaattcg agcgaacgtc gtgtataagt aaaacgaaag 60
 ttgtgtcgtc ctgtgcgaaa gagagagggga gaacccaata tttttgcaag ccagaagtcg 120
 aaggtgaaat taaaatgcat tagccaccca attgaagagg agtcaactac gaacaaaact 180
 cggatcttta agaatcagcg aaaaatcggt tgtgaacatc catacaacca caaatcgttt 240
 ttgcctgctc tcgtgtagtt cctgtgtatt ggtgcgcgcg ccctgtgtgt gtttgtgtgt 300
 gcgtgcgtgt aagcattgga atggattaac tacccaacta attccaaacc aataataccg 360
 caacataatc gcaatagt 378

<210> 419
 <211> 552
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 419
 gcacgtacat accaaaagaa gcgaggagcc agagagcgag agtggacagg ctaagagcag 60
 cgaagtgatc tgccactcgc tacttccgtt ctctcacttg taataaacga gtgcaaagag 120
 agcagtagca gcagcagtag caacaacaac agcaatcgac gggcaaccac ttgaaagcaa 180
 ctcgttttoga tttcatttag cagatacctt ttgtacgttg attaagatac cttggcacac 240
 acagacgcac tacaaaagaa gagaaggcag ctaaaaactg cacttaaaaa acacataaaa 300
 taataagaag tcaactcgat taattcagaa cagttctcca aatgaatgta caacaaaatc 360
 cacttgacca aaaatgtctt gagtaaaagt gtcgcatacg cgtaaagcgt acgtataata 420
 tagaaataga tatatgtatt cgtgtgtgtc cgccagccaa tacaaaagca gcacaaaaag 480
 gtgggttaaaa ggcattttaa atcaaacaat atttaaagtg ctgaaattag tgtggcgtgt 540
 gcaaagaaag at 552

<210> 420
 <211> 172
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 420
 ctattgagca ccgacaacgt tgcgtgtata agacagttta cataaattat tatttacaat 60
 tgcacagagc gttgatgttg tgcgttctaa gcgaaaaggt gaacttgacc ccggtgccga 120
 tagaccgccg agctattggg tgtgaaatc gcgagcgagc cttgtggaat tc 172

<210> 421
 <211> 411
 <212> DNA
 <213> *Drosophila melanogaster*

 <400> 421
 atcccaagca gtagcaagca agccatcaaa atcgtaacct tgggcgtgtg ttaatcaagt 60
 gatccgtaca tccccgectc tccccctcc ttttatcatc atacatacca ccaccatttc 120
 tacatccaac gattttgatc tggattactc ggcttggttg attgttgggt ctgtttcget 180
 ggcgtttctg tttccgtgca aacatctggc gagataaggg gcctatatag tttcgccaca 240
 gccacctcgc aggccccccc tctccggttc ccgccagcaa cgacacgaca gaacaaccaa 300
 aacttgggtg gaaaaaccgg tgcttgaacc gtaagttgga taacgtcatt cggtttcgag 360
 gggcaaaatt aagacttctg aattgggcca ttatattata cacttttcca a 411

<210> 422
 <211> 689
 <212> DNA
 <213> *Drosophila melanogaster*

 <400> 422
 gtggaaacga tttctcacga aggtaagatc ggcttgaact tgaacgggga tttcgggtggc 60
 taaggcagcc acgcggtttt acagtcactg ggggtcgagg tctgtttgga tgaccccagg 120
 ctacctatgg gtcacactat tggagggata tatctggact caagcgttgc tcacagaggt 180
 cctatggcca ctaccgccac taccaattag tcccgccagt gtcctcatgt tccgcaacaa 240
 ctgggacgct caaagatccc gatgaaaacg cgtttttccg cctggcaaatt agtttttatt 300
 taactcgcac gcaatttgca ctttttact actttatttt gacgtaacag tgcagaacag 360
 ctgctgcgaa cagctgttta gggttgcaac gtgcgcggtg acgcaaggca gccggctaaa 420
 acgtagcact agaagtgtgc aacgtaaggc gacaaagtct gcaaccttaa aacggtagtt 480
 atttacggat gctgacatta ttttaaaagt agttacacca tttttattgc tcttttttga 540
 attaacattt ttacatctat tttgtgcctt acttacgttt ttctataaac atatcgatag 600
 cacaagctgt ttcctcttgc gcatctctaa tcacgtttac gtaaatttca gaaggagcag 660
 caacaaggat gtctagaaat ttggttttt 689

<210> 423
 <211> 959
 <212> DNA
 <213> *Drosophila melanogaster*

 <400> 423
 ccctgcgcgt ttcgattcga ttggttcttg aaatggtaaa atgcggctgg gccgtcgaaa 60

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| aaattgagaa | aaataaatcg | cgtcgagtg | gggacgcgaa | cggaatcgct | gtgaaaatac | 120 |
| cgagttaaat | gtgcgtgac | gaaactttcc | tccgaaaagg | atctgcaatc | gaaacggaag | 180 |
| ggaaaacgca | gagcaagaca | tccttgcccc | cgcaggatag | ctgtgtgaag | aagacgcgac | 240 |
| gataggccaa | gagggagggg | gagcaciaac | aggataagca | gtggcagaag | aagaagcaga | 300 |
| aggcggagcc | gcattctgcc | gcagtcaaaa | caagagaggg | aagtgcaca | aaagcgagat | 360 |
| taaagtgc | tcagctgggg | gaaatgtgaa | atgtgaacga | tgttgcaacg | tcgcgtgct | 420 |
| tgcatcgcca | agtaaaagca | gagtcagaag | aaaagcaaaa | ccaaagcaaa | gccagaacaa | 480 |
| acaaaatata | caaagtgaga | gaggagagaa | agagagcgg | agtgtttggt | gtatctgtgt | 540 |
| gtagtgcgtt | cgcgtgtgcg | cttgtgtgtg | tgctgtttac | tttgctcaca | acaaattatc | 600 |
| gtttaatttg | cttcgatttt | gcgacaacaa | caagctgtgc | gaaaggggat | gtcctttcca | 660 |
| ccaccaccac | taccaccacc | cctgtctccc | taaggctata | ggtcaccagc | cgagaggtga | 720 |
| gtaaatcaag | ttgtttgaat | tttgttaccc | aaaactcttt | tgcacctaac | gataacaaac | 780 |
| tgatgagttg | acctcgctga | aagccgcgta | ggaaacgaat | gccaaattta | acaaaaataa | 840 |
| taaaacacgt | ttgccaacgc | cagcagcggc | gacacaacag | caacaaccca | tgtccaatta | 900 |
| aagttgcagc | agggaaaaaa | aagaaaaaaa | atccggctgc | cggctgctgc | aattcagag | 959 |

<210> 424

<211> 598

<212> DNA

<213> *Drosophila melanogaster*

<400> 424

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|-----|
| attcgaggca | agcgtaccga | tgcgcaaaga | acaagcataa | gcgaagaaga | taaagatatc | 60 |
| gattaaaaatt | tctgctacaa | aaataaatat | atatgtaacg | catattgtaa | atgttctaag | 120 |
| ttaagtgaca | taaatcaa | atttgtgtaa | agtttaatat | tttaatacgc | gtcgaagtac | 180 |
| aacgagtga | gctacagaag | agcacacact | aaagtgggtg | acttggcgag | cgcaaataac | 240 |
| ggaaatcaaa | ttcgaaataa | acgctgcgca | atagacgggtg | gtgtacataa | gagtttaaca | 300 |
| aaatccgaat | cagaatcagt | tgaaagtgtg | atTTTTTTga | gcctttgtct | ggtaagtga | 360 |
| gagaaagctt | taagcggga | tacatctata | tatatatata | taaatatata | aatacgaagc | 420 |
| cagcccgtcg | ccatttttga | aaggggattt | tacaaaacac | acacacacac | atatatatac | 480 |
| acagctgcga | acacatccac | atataacccc | aaataaaatc | cgaagaaaag | agcataaaaa | 540 |
| aaacgcaaaa | caaaccaatt | tcgcaacttt | ttaagtgaac | cttccaatca | ggcacttt | 598 |

<210> 425

<211> 517

<212> DNA

<213> *Drosophila melanogaster*

<400> 425

```
tttgcgccgg agctcacttg atttttgatc gcttggcgcg gcagttgtca ttccgtctcc      60
tcttcgccc tatcattggt ttgcaatcg cagctctctc gcaaactctgc gctgcgggtg      120
tgcagtacat atacttgtga gaacttgtgg tgtgttatac gcgtaaatcg ctttatcgct      180
gtgacgttga ataaattgtg ttgctccag tttccttttg aaataaattt caatgcagtg      240
cagccacgtt ttttatctgc ttgctgtgtg gtgtgtgtta aaagttggac aaaaaaatg      300
gcctggaaca taacagaaaa gagttgtggc tgtcaaactg ttgctaaaca cctcttatct      360
caatcttttt tgacttgaca gtctgccac aactggaaaa ttatctatcc tctcttctcg      420
ctctgttgtg tatgtgtgtg ttttgtgtat cttctacttt tttgagtcag ctggctgtgc      480
tttacttttt catctcctgc acagctttaa cgagttt      517
```

<210> 426

<211> 582

<212> DNA

<213> *Drosophila melanogaster*

<400> 426

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actcaaacca aaatagttgc aacagttgcc attcgcagcg aatcgtccaa acagctgact      60
ggaaccgtgg agcttacgtt ttgctttttt catcatagcc caaacagctg acgaatttta      120
actttactaa agtcttaaat ttttaactaa gccagggatt ataaatatat ttctgatata      180
tctgtaaaaa cttttttgaa aatcatttat tctgtaaata ttttcaaaat ctatctttta      240
taaattaatc aattacaagc tctttttcct ctttcagcta attttttgct gtacctgcac      300
cattggttca gaatactatg cgatctatcg ataacaacga tggcgagggt gaacaagttc      360
aagttcaaac agctgattcg atttgttttt aattttcatg tgatataacg aaaccaaaac      420
aagtgaagcg ggcgaaagaa cacatccaag atggaccagc acagcccaat gttgtggcga      480
cctctgcttc tgctgcgagg cctctacctc agtcaacgcc accagatgag ccactacgac      540
gcactgggat caagccgtca gtgcacgcag aacgaagatc ag      582
```

<210> 427

<211> 709

<212> DNA

<213> *Drosophila melanogaster*

<400> 427

```
gttgtagggtg tttgtagttg ttgctgcgct aggaaacgtg tattttcttc tgcgccatgc      60
taaccctttc catataaacc tgatttaatc tttgattatt gtgctctcgc tgggggatta      120
ttgctgccgt tcgttgttgc tggctttgct atttttgaaa attccactaa attatccgtt      180
```

| | |
|--|-----|
| gtgccgtccg ctcgctctcc gccgttcttg tagttgttgc tattgtgcgt ttttgggcag | 240 |
| gtaaaacagt tcatttgcct agggttgccca catcgttggg cgttccccag gaccacctgg | 300 |
| aatgcacata aaatgttaag ttttattgcc ctttttacag ttcctccaca tttacgactg | 360 |
| ccattgagtc gtaaaacacg tgaacaggta gcgatctatt caaggccaca gctgtttagg | 420 |
| aggttggcaa ccctggcggg caggagattt caaaacttcc agtggatatg ttctaactca | 480 |
| aggaattttt atagccgatt tgtttgaata aatgtacaat gtacataatg tctgcggcag | 540 |
| acgctgttaa ttataaatac aactgcggcc gcaagggaag tcatcaattt aaaaagctgc | 600 |
| tctgcattaa ttggtatcta atacctcttt tgctgggtgag ctttggcaat tttccgtttc | 660 |
| aatcaaaciaa ttatataaaa gtgttcttcg agggacttat gaaaccgac | 709 |

<210> 428
 <211> 666
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 428 | |
| ggatggcgat agtctgccca gaggtggaga aaaatcgatt actcccgat atcgatgtct | 60 |
| ctatgatcgg tttcttgtca atttaaagcg attgggtaaa ggtcccaatt aatcgaaagg | 120 |
| tgaggcgggc tattttaaaa aagggaatt atccattaac tttaggtaga ctttgtgcac | 180 |
| atttattaat atagcggcgt gttattctac aattagacaa caataaacca atcgattct | 240 |
| agtggaagac agcgtatgaa agcagtgggg gtgatccctc catcggactt cagtcgtact | 300 |
| tgaggttgcc catgcaaatg tacttgatgt ccacatagtc gtcaatgccg tgtttggaac | 360 |
| cctcccgctc gacaccggac tccttgacgc caccaaagg agcctctgct gcggagatga | 420 |
| tgccctcggt gacgccgacc atgccaacct ccagtcgctt ggccaccgg aacacctgct | 480 |
| gcagattctc gctgtagaag taaccggcca ggccctcct ggtgtcgttt gccttcttta | 540 |
| ccgcttcttc ttcgtctcgg aaccgcatg atggagacca ctggaccaa gacctcttcg | 600 |
| agtagagtgc gccgaagggtg gcacatctgt gacaattgtg ggtgcgtaga aaagggatcc | 660 |
| cttgtc | 666 |

<210> 429
 <211> 559
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 429 | |
| cgctcgggta taaatgaaga gctatttctt tagcccagct cagtaggttt tttttgttgt | 60 |
| tccgtgcggg tgctcatttc gcgtaatat agtgtaaatt cccatagctc ctagtgttga | 120 |

ccagattgtg aacgttgtgc cagacgtctg ttaattagca tatagcaca cgaatatata 180
 taccaaaaac ccggcaaaat tacaactcat ctccgacgca gtagccagtt ctttgttact 240
 gctgctcgcg caaataacgg taaatgtgga taacgggtgga taaatcactg ctgacctcga 300
 cctagacaac aaatttgtac atagctatgt acattgtata aaccgaaagc gacaaaccga 360
 tttcttgttg ccggctatgc attattgatt ttcaacatcc aattcgacag gagagcgttg 420
 gacagggggg agtggagcgg agaaatcgag tgaatcagtg ccgcaacgta acggtaaccc 480
 ccgatcccg ccaccttaga ccagtcccat ccaaagtatg aaccgcccag aggaaggtgg 540
 tgcgccc aaa gaatccttc 559

<210> 430
 <211> 599
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 430
 ctcgatgttc gacgacgctc agattcagat tcagtttctt ttcaccttctc gtcggttgta 60
 gatcgtgcc agcgggaagca acggatacca agtcccagac acacaggcac caaatgcctt 120
 ggaaaatatt ttgaaaaat tccaagtcac aatcgatagc gactaatgcy ttcgagccag 180
 attaattagc cagaggtgaa aagtgcattg cgcggctaca gatactgatt ttgttttaaa 240
 aatcgcacac ccaaaaccag ttaaaaaaaaa aaacacaagc gaaatatata ttttcgagtg 300
 cccagtgcc agtgcaaaaa taaaaaataa agctatcgta aaataaatca aattttgtgc 360
 aacgcgagaa tacacaaaag atatattcga ataaatacaa ctaataatat cgtgtcgtcg 420
 ttgcgtgcc cgttgacaaa agtgcaataa tcatatattt attacaacca attacatatt 480
 ggtaatcaaa agtaataaaa tcgcaaatca aggcgaaata tttgcatgta catagcataa 540
 gtgcggttg aaaaatccaa aattgcaaga gttacgaaaa ccaaaacgaa aactggaaa 599

<210> 431
 <211> 606
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 431
 gggcacacgt atgcatgtgt gtgtgtgtgt gtgtgatttg tgcacaggta gaggtgaacc 60
 gtatctgtgt gcgtgcgagt cccttaggta agcaaagaaa atgtgccc aa cttcggtgaa 120
 caggtagacc gctgctcaca tgccggttgt tggtcttgtt gctcttggtt ttgctgctgc 180
 tgtaaggcc gctcatgttg ctggtgtagc ctgcgatgtt gctagctgct gttattgttg 240
 tctcttctga tacagcttct gttagggatg ttgcttctgt tgcttcaagc tgttgatatt 300
 gttgcccatg ttgctactga tacaactgtt actcgcattg gttgaatcac cactgttgct 360

cccactgctg ctgtttcggg tgctacattg tagcttctgc taatgatgtt aactcttgct 420
 tatgttgcat ttgtatgtta tggtatgtta tggatgatgc atctacaaaa gtgctgctta 480
 tgttgcagtt gtctttgcta attgagatat tgtagcttat gctggtcatt atgttgctgt 540
 aacaacactg ctggtattaa agataatggg gtgcattaag gtaaggttct tctgcatggg 600
 ggtggt 606

<210> 432
 <211> 169
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 432
 gtctagacca cataaacgcg tatcgatggc gacgaaatgt gtacatcgca catgaacgaa 60
 cggggcgagt gagtatgtac agtttaagag agcgaggcaa tatgaaatat aaacaaataa 120
 ttaactgaca tatccgtatg cttatcgcg c acaaaaccgc agcagcagc 169

<210> 433
 <211> 585
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 433
 gtacacagca taacataatt tgctttctct cgcactccca ctcttacctg ctgagagcaa 60
 cagccctgct gtctcgctca ttgcactcg ccagttgcct tctcgctccc ccagccaccc 120
 actctcccgt tcggccgctt tcaccgctg catttgctgc gcgcctggta ttcggttcgg 180
 ccaaaccgcc gttegtttgt atgcgagtg attattgttt ttgtttcgaa cgcgagtaaa 240
 gtgcgctggt cgtttccaaa ggttcccgac ttttcgactt gaactgaagg cccaaaacca 300
 gtttccactg cagccgagga gtttgggctt tagggctctt gcttagcctt ctcatctcgc 360
 ctcttgttta cagcttaatt tgcttgcac accccgatgg ttccaccccc tttcatccac 420
 gtgccgcata gccatacagg ctgacttcca taaatgggac atgcggaaag aactactatt 480
 atacaatata aattataaat ataaatacat acaatgtatt ttaatgttgt atagaatatc 540
 ttgatattaa agataagatg caaaaattaa aataataatt tataa 585

<210> 434
 <211> 849
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 434
 actccggcgc tttctcgctc tcacacacaa tcaacgggtca tgcgttcgta tcgcttcggt 60
 gtgtgtctaa aaatagacac aaatattgaa gttgattttt atacggccat cgtcagatac 120

| | |
|---|-----|
| ccctccccct cctgttacca tcccttgggt cgtttggtgg gttcgttggt gctatcaaac | 180 |
| atcgccatc agtgttggtg ttattgccat tatgttgctg ctgccttcat tataatgcgt | 240 |
| tgttggtggt taaaaataaa ctctgctgcg cgtggcattt ttttttcta tttcaactct | 300 |
| ctcacgcgct tttggagagt ggtgagaagt ggggagagcg ttgattaaac tcaatgaaat | 360 |
| aaattagatt taattcatgt ttttgccctc cttcaacagg tccagtacat tacactgagc | 420 |
| aatgtgaag aaaattcaca tattgtattc agcgatagaa ttatttttat atttagttcc | 480 |
| gtctatctct tcctacttct cacgtagaca agtttttaaa aaatttgcg agcattttgc | 540 |
| aatatttggt ttctgttttt tttcgcgcca atatttttag cacctcttca atttttctct | 600 |
| gtcgtgcca ttttttggtt gttttcctac ttaacgccac gagctgtttt tctcagataa | 660 |
| aattcatagt gttggatgga ggtgggggtg gggggggggg tggggcatcc tggtgagtgc | 720 |
| aacattgttg cctcgtttga agtggctggt taaccactg atggcccaga aggctaaaag | 780 |
| tgcataatgg aaagatttat cttagactt gttatgactt ttaaaggcat tttcatagca | 840 |
| aacgaattc | 849 |

<210> 435
 <211> 585
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 435 | |
| tccccaccct ttaaatttgc gggcttttcg tttgttttgc cggccgtggt tattggtggt | 60 |
| gttggtgctc ctattcgacc atctctcttt gcctttaata cccttacgaa gagtaactca | 120 |
| aaagtaaata aataaataaa ttaactactc ttgaaacata tccgttctag tgaaaaaatt | 180 |
| aaaattaatt ttaattcaat tatgaatgct cagaattata atgaggaaat cttcttggtt | 240 |
| ttgtagaaca tagctttact agtattataa catttcgaat ttcaattaaa agagtactta | 300 |
| tagttcggca tgggtgcttcg gtttttccgt ttattttgcc atatgtatat ttctcgtcgt | 360 |
| cttttgcgat cattcgtggt tgagccgcgc tgcagttaac aacgatctga atgattccgc | 420 |
| tcccgaaaaa attagcgcgt gtgcctcgaa atattttaaa tcgctaacgt gcgtgtgtgt | 480 |
| gaataataat aataataata ataataataa taataataat aataaccata aaataggaaa | 540 |
| ggtacatttc caaagcaatt tacgctgccg cgggtataat tagaa | 585 |

<210> 436
 <211> 505
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 436

acgcagacga cgaactcctc atgtgaccga gtaataaaat agcgacgttg cgcacaatgt 60
aaataaaaagt aaagtgtgaa ggcagctggt caaaggaggg gaaaaagaat aacaaaaagc 120
gaaaaagcaa accaaggcca cataacataa cataaaaataa taataaaaaat gccggccgct 180
ttaagcggct gattttctgtg cctttctatc cgccatctct gcattcttctt ttcgtttccc 240
ccttttatta tctcctcct cccccacaaa cacaacaca cacacacaca cgcgcgcgcg 300
aaatttctat cgtcgcgtac tattttcgtc agtcagctgc tgctgagtcc cgttacttac 360
ttcagtggcc ctctcgttc ttttgctcc tccggtgctt cgttttcttt gagcacctcg 420
tgcaagctct catatgtttt tccgccgtct gctttccgcc gcttttcccc cgtttttaat 480
atgtattttg ataatactac cccaa 505

<210> 437
<211> 581
<212> DNA
<213> *Drosophila melanogaster*

<400> 437
gtataaactc gtgtggagtc gtagtcacag tacgttcaac gtaacgttca atgatctaaa 60
ttacgtttac gtttcacaca agctaaaaac taagagaaga gcgcatctcg taagaaatag 120
agtccacaag tgtctacaaa tttccagttg gcaatgcctt tgctggatgt aaagtgggtg 180
cactcttate ggctaggtgg cgctctatct cgagagcgat agtcggggta ctacaaccga 240
accactgggt agacatatac ggtgctgcca acttttgtca agaaaaaat cagttaggtt 300
tgaaattttg caaaaaaaaa aaatggggaa taaatatata aattataatt tagcaaaaaa 360
tttcatcatg tggtagctgc ttaggttaag gtatatcaaa taatatggaa aggtaattta 420
ccacaaaccc taattgattg caccatggta taatggcatt agtgagctat accaaaacga 480
gcaactttcg aaatccatca gtactggtga aaacaacaaa ccgaaagaaa tgagtcaagt 540
actacgcatg ctttactggc ttccattttt gctgctgctg c 581

<210> 438
<211> 637
<212> DNA
<213> *Drosophila melanogaster*

<400> 438
gcttagcggt tatcgaccg ttttgtgttc tcttattctc ttgcgctctt ctcttctct 60
tgttcgctct cttgaaacaa taatttcctt atttctcgtg taaaatgaat acatgttttt 120
tacagttatt caaaattaaa atattttgta tcacaaacac ggagtaaact gattatttta 180
agattaattt taaaaatggt gttttgcgcg catgttggtg aatttaattt cgcagctgaa 240
tgcttctgta gttctcttat tctcttttagc tcttctcctt ctcttggtcg gtctcttgca 300

| | | | | | | | |
|----------|------|------------|-------------|------------|------------|------------|-----|
| accataat | tttt | ccttatttct | cgtgtaaaaat | gaatatatgt | tttttacagt | ttctctaaat | 360 |
| taaaataa | tt | tctatcacat | cattcgagta | aatcaat | tttaagg | tttttaaaat | 420 |
| tggttgct | tg | gcgctctta | ttgaatttag | tttcatagct | gcttgcc | tactggggg | 480 |
| ttggttt | ggg | aaatttatca | gctggtagcc | gcgctggtaa | aggtaacagc | gcttgcgacg | 540 |
| gacattct | ct | aacacagccg | ggaaataaac | atccagaata | atttgagtgg | gcttcacac | 600 |
| tggcaggc | caa | ataaccatca | agaaaaaagg | atttaaa | | | 637 |

<210> 439
 <211> 563
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | | |
|------------|------------|------------|------------|-------------|------------|--|-----|
| <400> | 439 | | | | | | |
| gaaagagccc | tatctctgtt | tgacttg | ttgtttggta | ttctttactt | gatttcatac | | 60 |
| ccgtcacacg | aacattacgt | agggtatatt | ggttttgcgt | aagagagaaa | gatgtcatga | | 120 |
| ttgatcatta | aatcaatca | gattaatgct | cgctaataaa | atgtaatcag | caattatcaa | | 180 |
| agtgaagaaa | gtttaagcca | agctctcgaa | atcaagtcct | taaaaattta | gtggtattaa | | 240 |
| aatgtgctac | tcttcagttt | ctaaatggct | tttgtaaaaa | ataactaatg | cactttttta | | 300 |
| cactcttgcc | acattaagtt | ttcagtgaca | gaagaaagct | gattctaaat | tgtcagtaac | | 360 |
| gagcgggtat | cactttggtc | taggctaccg | acagaagcgt | tcattcttgt | tttttattat | | 420 |
| tattattatt | acgttttttt | tttgccactc | aacacgtttt | ctgggttcttt | ctttgggtgt | | 480 |
| atgggtgtgt | gcttgagcat | gcgggcgcac | ttgtgccacg | tacacaaaaa | cacaatcatg | | 540 |
| cccacgagga | aggtcatttg | aag | | | | | 563 |

<210> 440
 <211> 662
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | | |
|------------|------------|------------|------------|--------------|------------|--|-----|
| <400> | 440 | | | | | | |
| ctgccgcttt | taccgctctc | agctgtttgc | tctctcgctc | tcattttcgt | tcgtcgagag | | 60 |
| ctggtttggc | gttcacctcg | ttcatttttg | cactaaacgc | ggcaagatgt | tgaagtcatt | | 120 |
| ttgatttctt | cgagtgtagc | caaataaaaa | taaatcg | taacagggtatc | aggaagt | | 180 |
| agcatgtaag | ttactaaact | caatataaca | atgtgcagtt | acgctatcac | gtaaaaacgc | | 240 |
| aacaaactca | acataacccc | actttcgata | gtaaaaacta | taactataaa | gttatgagca | | 300 |
| taaattaata | ggtagcagtt | aattttctct | ttctcccat | attcgcat | ttcgtcacgc | | 360 |
| acttttttcc | cttgcacgaa | tatttatcgt | cgttttgctt | tgtcttttcg | ctacaatcgt | | 420 |

gtagttattg ttgcggttcgg aaagcgacga acgcttaata ctaccaacaa caagaacaat 480
aacaacggag tagatacaca ccaaaccgaa cacaaaaaaa agtaaaaaaa aaaaacaaaa 540
atgttggtct tgagttatga tgttcctatc atcctttgac tatggaacat ccataactcaa 600
agataacatt gctttaatgg cttcgtatac tttagagtta gaaaggactt caaaatgaat 660
tc 662

<210> 441
<211> 496
<212> DNA
<213> Drosophila melanogaster
<220>
<221> misc_feature
<222> (1)..(496)
<223> n = ambiguous/unknown nucleotide

<400> 441
acatgtacta tatactatat atatatatgt atgtgagcgg cggcattaag tcattaagaa 60
tgtgcgacac ataaacggcc ggggaacctg atgcccatnn natcgatta tcgcattgcc 120
gaaacgttaa gcgcataaaa caagcgggtg taagacagtt tgccgttgta attggccaga 180
aagcaaattc tgtagctaga tagttagata gttagtgaac acttaactgt tgagataacc 240
tcgcattggt ctccgatcgt agtgcacttc cctgatgcgc aaactgtttt cattcgattt 300
ctcaatgtta caatttaciaa tttacaatta gccagtgatc gcttccttaa agctgccgat 360
gcttgatgat cgattaagcg ttttcacacc tttcccagtc acgtcgattt cgcaggttat 420
ctgtatggat atgggtacat gcatatgaag catacgacat ggtgccccct tccccgctgg 480
gttatattata aaaagt 496

<210> 442
<211> 559
<212> DNA
<213> Drosophila melanogaster

<400> 442
gtgacacgta tgtgtgtgcc gaaaaacagt tgttttcttc gctcgccaaa gaatttctac 60
caaagtttcc cccctcatat gcatttccac accatgtttg ttggcccaac tattatcgcc 120
ctattccaat tggagtcgaa attttaatcg ctctgcgctg attcatacac ctgccgctaa 180
ttggtcgcct ccattttaca cctgaatttc gctttgtttg aaatttaagt ttttccctct 240
tcttcgtggc agcaatgcaa ttagctaaaa cacgctctat ttatttatga ttggctcttg 300
aatttttcca tttcaatttt tacttagttt ttgcaaccag gtttttggcc aggcgcattg 360
aaccctcttc actttacagt ggagattgcc tataaacgaa aacatttcat gacttcagaa 420

gtactacatt tttttaattt ttggctttta ttatcaataa tttgcatata aaatagaaat 480
 tttcaatgaa aatgtgacta ttaggtagaa tttacttccg gttggaacaa tacctattgg 540
 atggctcaat ttgctaattg 559

<210> 443
 <211> 397
 <212> DNA
 <213> Drosophila melanogaster

<400> 443
 gtagagtcgt tttcaagtgg cgtttctttc tttcttttta atgtgctgct tcttgcttct 60
 gcctcttctt cttgcctttg gctatctgct ttgttttgaa atacgttcat gtattcagtg 120
 tctgtgagag tgtgtgagag atgatctcta ctttttccct ctcttttttg ttctcgctga 180
 tttttgtatt atttttcgta cacgtaattc ccgtagatat cgaactcagc tgctttttgt 240
 tttgatacgc ggaattatca acctgctttc gttggcgctg ttaaaaaaca aaaacagtaa 300
 aaatccagtt tggcttactc gaaaattatg cgaatatctg ggatgtaaag agcttaaagc 360
 ctgaaaaaaaa tgaaactttt ccattaccca tgaattc 397

<210> 444
 <211> 470
 <212> DNA
 <213> Drosophila melanogaster

<400> 444
 atccggatta ctagccatgt cgatacagcc ataactgact gtaagtcctg atttgttctg 60
 ataatcgtaa agccctcagg tactattaaa gctaccctgg aattgaattg ccacgtacat 120
 tgagacacct agggatcaag gtctagaata cataactgtt tacgtccttt ttgttctaga 180
 aatctctagt ttagtgaccg caaacattac ttttttgag gaccatttta tgaacgggtca 240
 cattaataaaa tggctagtga taaccacaaa atggcgaga tacagactgt caagtccgtg 300
 gggacaatcg ataaaggat cgatgatttt tttttgcaaa attacaatcc ttgaaatgta 360
 cctttattag gtactatata tcgtatacac attgtaccaa taaagtacag caatatgatt 420
 aaactttttt ttttataaaa tacttggttt gccaaaggcg ttgcactttg 470

<210> 445
 <211> 182
 <212> DNA
 <213> Drosophila melanogaster

<400> 445
 ctctatgcct cgtttgctga gacagcagca acagacagcg gaacagaact gaacagaaca 60
 caactgaacc gaactgaaca gaaaccaaca cacaacaaaa taacacgaca aaacataaag 120

aaaccgaaca caaaacccca gcagaaaagg caaaaaagct gaaaaagagt cgctgagaat 180
tc 182

<210> 446
<211> 370
<212> DNA
<213> *Drosophila melanogaster*

<400> 446
attcagcgc tctctttggt gagagctttc agaatgaaga gaagtaatgt taagagaatg 60
taagagagga ggtctgaaat catgtttggt ggaatatctc tgaagggcaa gtgttgcaaa 120
ctgctgcaca tttctaaaac aaaaatataa aaataaagat ataaaatata taaaataaaa 180
aataaaaaat ttctaaaata ataaaataat aatgaaatga tttaattctt tacgaaactg 240
ttgtcagcag tattattaca ttattattga taaagggtta gtttcttcag catattatcc 300
acctcactcg tagacatgga aaacacatgg ataattcctg ggaaatgccc gtgtcacgta 360
gaagacatat 370

<210> 447
<211> 435
<212> DNA
<213> *Drosophila melanogaster*

<400> 447
gtcgaaacga acgaactctg gaacgctgtc gcagagggtc gatggagcag ttttgagcag 60
tttgagcagt ttgagcggat ttcccagcaa cacaatgttg cgactcaa at cgtaatggtc 120
gtgttgctag ccgaatgttg ggactcaaaa gataatggcc ttgctatagc tgggcggcaa 180
ttttgtttcg gccccttate acttttagagg cggcacgttt tcaacggggg ggcggggagc 240
tcagcaccta cctgatccca ccgattccac aatgattgta cacacctcag tgggttccca 300
agctcgtcgg cggaatgacg tctcccttcg acggcattgc ctgcttctgg ctgtcactag 360
tctggattca actgggtatc atcaatgccg gcctggagtt cctcaaggat ttcgtacccc 420
ttcagctggg gccgg 435

<210> 448
<211> 235
<212> DNA
<213> *Drosophila melanogaster*

<400> 448
acgtgaacca accataaaac agcgggctat cgaactgggt ccagccgaac agtgctggat 60
aatgcaacat atatcgcaac gcgatgggtt taaattta at gttatgattt ttatattaaa 120
aaataaatat ttttttacac cagttattat gccaaatctt ttaaatgtat acaaattagt 180

aatattttaag gaacagaaac cattgttaac tattttactt gtcaaagccg aattc 235

<210> 449
 <211> 328
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 449
 tgtagacca ctggaagacg tacatatgcg aagacggggg caaaacaaac ggcggcgaac 60
 agagggagat acatgtatgt aaaaaaaaaa aaaggaaagg caaataatac tgtttatcaa 120
 gtgatgaaaa gcatttaaaa tgcgagtat gccagggtatt gtgtttaaat gcatgccctt 180
 cgtcgcattt cggttggaat gcatctgata ttggtaagga gaatgttcaa aagacataag 240
 ctgaatgctg ttaataattt taaaaatatt taagcaataa atgcatatat tgcataatgg 300
 cattaaaaca aaaggcaata cagaattc 328

<210> 450
 <211> 110
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 450
 ggtcaaccgc tctggggccg gttttaattg ttcgggctgt ctgacaaatt tcagtttcgg 60
 tttcagtgac tgtccttgcg gcaagctgaa gctgatttcc ttgcgaattc 110

<210> 451
 <211> 472
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 451
 agccaggcga ccagccaaag cttccatttt cctcttcccc tttttcggcg agagagcgag 60
 cttttccgcc tagcacagtg ggccaaaatg tattcatcct gccagctcac ttccagtcgg 120
 tcttcacgct caccgatggc actttcgaac ttcccgaaac atgtggagtc tctttgatat 180
 cctgctctct taaggcaagc atttaatggc catctgttgg catccttacg aagccacaac 240
 tctttgcccc gctttgcaga actcaacact tgccaatagt gctattttgt accactcaaa 300
 agggtaaaact acagcggtta ttcttttggg ttgtatttat attctccttt aagcaaacad 360
 ttacacattc gttgtatggt ggtgctaaat tattaagtgg agatactgga atactctctt 420
 actaccatgc ggcacattta ttagctttaa tgggttggtt tctgacagtt tt 472

<210> 452
 <211> 790
 <212> DNA

<213> *Drosophila melanogaster*

<400> 452

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atcacaacaa aatcaaacia atgaacggca ctgacacagc ggcaacacca acggcaacag      60
cagcagcagc agcagcaaca gcaacatcaa cgcagcggca gcaacatcac cgcaacagca      120
acagcttcga gtcgcgtgtg tgcgttcatt tgaggttgtg ttggcaactt cgttgctgtg      180
gtaacaggcg cccagatttt ccgagagagc tgaaaaagaa catttccaca tgcggagtgg      240
ggtggagtgt tcccatttgt ggatgttggg tttgcggaat tttaataggt taagctgtaa      300
gcggtgtgaa gagagggggg cgagaggagt gttgtttag agaggaggca agggggcgtg      360
tcagagaggc tgggcgagcg aagagggttg ctggtgtggc cttactagt ttcagccggg      420
ccggtgtagt tgccttataa acgagcctaa aaatgcgaga taaagagcgc ttcgcacgaa      480
tactcgaac tactggact cacttggatt tttgtgagt attcctgca aaccccaaac      540
acaaaccaa aacctctgaa ttttccaga acaccacccc accccccaac gtttccccg      600
ctttaccatc agtcaaatt ctttgcgca ttctacgac gttgatgtcg ctgcctgttt      660
ccggtgtcac ttccttattt agttgttcac gtttgtttgt tgttttgtgc tgttgggtgg      720
gatttcgctg gatttcgtcc ttgtaggctc aaccaattt aacagccatc agaaagtggg      780
cagcgaattc                                     790
```

<210> 453

<211> 404

<212> DNA

<213> *Drosophila melanogaster*

<400> 453

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tatgagctca tccagcactg ccgacgtcac cccccccgc gttccattta ttattttcat      60
gacgcggcca agaaagacgc tggaagagcg aaacaagctt ttctgttttt ttctattcct      120
tttgttccgt ttgttttttg gggaggatta catcaagttg gagctgccac atagcgcaac      180
aaaatgccgg gacagtcagc tggtagcacc tgcgtgtatc gataaatcga tagttcctgt      240
tttaaagccc tgtcgacggg acgtaacaaa atattagacg tcagtggcag tggatttcga      300
ggatttttaa atgttttccg tcaatttctt caacatcacc ccaatgtgtc tgcgcgactt      360
ttggtatgac tcgtcaagcg cgccggcctt tatagtcgcg caaa                                     404
```

<210> 454

<211> 563

<212> DNA

<213> *Drosophila melanogaster*

<400> 454

```
gcggcgcgga aagcagctgc tgctctctcg cgctcttttg ggccataaac atcttacctg      60
```


| | |
|---|-----|
| ttacctacca aaccaacttt ccaccgaaac atgcggcaaa tcgcatgatg caagacgcct | 120 |
| caaacatttc gctagccaaa gaagtttgag aagtttacga ttgtgtgccaaaataaagc | 180 |
| acgtgcgggc gcctaagaga gagtcgccgc aatctcttaa gttagtttct ctttcgcctt | 240 |
| agtcattgac cttttggttg ggtcctaaat atgtgcgcat tttgtcgaaa tctttagcca | 300 |
| ctttgttgtc actgactaat cctatgtgcc aaaagacatt agtcaatga tttgtttagg | 360 |
| cctttaattg cacctgattt aacggctttg tgggacaaat actgcaagtg aaacttgcca | 420 |
| caaactattt gtgtgcacaa taattgtaac aagggttaa gtcacattgt ggtaacacgg | 480 |
| aataaaaagc tttcgatagg agagatgacc gtaaactaaa tacatacaat aatatcgtcg | 540 |
| atgcaatagc taatatatga tat | 563 |

<210> 455
 <211> 518
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 455 | |
| cctcggggccc ggtggttgtc tgtctttgtc ccccgctcaa tccgtcgact tatcggtcga | 60 |
| gtgtagttta tatgccccaa agttgtcaac tgtcaaatca cgaaagagaa ggagaagagc | 120 |
| cacatacccg agtcgtaatc gaaaagaaaa tcgagaaaaac aaattggaat acttttcgaa | 180 |
| acgagtcgcg tgtcaacgta aatactttat atgtttgcaa agtgcgtgtg tccatataca | 240 |
| aatgggtgaa tcggtgcact gaaagaaaat gtatatcttc tagttatgtc tgaaattaac | 300 |
| gtgctatttc agatcataga tggtccttat aaacatgtta ctcattttgc atacttagaa | 360 |
| gattgtatat tttttggtcg gtgcacctgc ggcagcctta aatcgcaatc ggaatgcaca | 420 |
| tttaaagcaa aatcgacttt taaatccggg ctcggttaatt atcacgcta gctggcacaac | 480 |
| caaaactaac attcaagtcg agaaatccac gaatcatt | 518 |

<210> 456
 <211> 324
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 456 | |
| ctaggggatgt aagaatacat cgatgtatcg agaatcgatg taccgtgccc ataattttcg | 60 |
| atgttttttg ttgatatcga tgctttgctg aaccagctgt ttaattatac accgttcaca | 120 |
| caaccgcttt ttggttccat gtgaattatt taaatcgctt tagatttaaa taaaagtttt | 180 |
| tgtgtgtggt cttttttatt tcttttactc ctattttcag tcagtttctt cttattatca | 240 |
| tatatcatcg tatattttatt tatttgtata tgctgatact tatcattgaa tgaatcatat | 300 |
| cttaaagctt ataaatgaaa aaat | 324 |

<210> 457
 <211> 325
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 457
 gtcgttatgg gttattatgt gatgtacaac gtgtaagtgt gcgtgcctca agcacttgac 60
 ctcgccatca atgatcgcag aagggtgggtc gggttaaattg gtgaccaga tgcagtggaa 120
 gcaatcagga agagaaagga tttgtctccg gaacaaagca aatttttgat gacgtgccta 180
 ttggcgaagt caaccgcga cgcaccac cactcaaag aaattggggc aatcaaggca 240
 tatgtagtgc ccataacacg gttaccaatc acttatcacc ttcccagagct acagttttca 300
 ttgcattgaa gttcctcggc agcat 325

<210> 458
 <211> 524
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 458
 gtgcagagag acaaaaagag agtgcgagaa agagcgagag agacgtcgtg tttttgggta 60
 cagctgttaa cgaaactccc acgctgccgc ctctgttget gcgctgctac tgcgctgccg 120
 gcatcgctgt tttgttgac atttttgtgc ggcttccttc gatttttggt gctgtcatcg 180
 gttttttaaa aaatggggtc gaacttcttt tagctaaaaa cgaacagttt ggcaccccaa 240
 ggatcacctt tttctaaact gaattgaatt attataagtc gctaaataaa cgatattttg 300
 gattctaggt tatgattaaa aaatgaaata agtaaaaatt aatgcaaata attaaagttg 360
 ctcggtatca atcctatgta attgggtgtt accataaagc attttgggtc cttatgcata 420
 acgcaaacct ataatcttga atggaaagt taattactta ttattccaat actcgtcatg 480
 tatctgattt agagatatct tatcttttta atacttaaatt attt 524

<210> 459
 <211> 571
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 459
 cgtgggggtga caaagagagt gcccgagga gagagtaaag gagtgcgaga gagagagaga 60
 gagagagaga gagagaggag tccgcgagaa agcgccacga agtatgctct tgttttgtgc 120
 tctcattttc accttttgcg ttgtctcatc ttaacttttc acttgtgttt gtgttgccag 180
 gcgagctttt ttcttaagaa ggagaaagga gaaacgagaa ttaagcgaag gtaaagagat 240
 ggaaaaggag aagggttttg taagaagaag aatttcgatt acaaatggct aatttgtgaa 300

ggaaattaac cttagtttta agaagtataa gtaggtttga tctaattata attattattc 360
 tgttattttta ttttatcaaa ttattttcaat ggtaatgtga catgaccact gtgacattct 420
 tataccatat actttttatat attttttcatt tttttttcac acttatatag attatgagag 480
 ctgactatta ttttaaccat tgctgggtgaa gccacaaaat tggcatggta actttcatct 540
 tcataaccac attatccagc ttaattgtgc c 571

<210> 460
 <211> 455
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 460
 ggtcacactc agccagcagc atggtcacac ctggcgatgg cagtttggag atatatcgat 60
 tgtgggttcct aggcgatact ttcctggcgc cagcttaaaa aatttaaate ttttaatttaa 120
 aaaattttcca ggcaaatgca ctagtttttta taggcaacta agcggaatct aaagccattt 180
 aactgccaat ttgtatacca tatgtattgg actgcaatga atttagtagc aaataaacia 240
 catatgtaag gttattaata caaaattggt tacttttatat acctcgctaa tgcggaactt 300
 tttttgggtc catgttgctt ccaagggttt agggtcactt aaaatttact taaatgaaag 360
 atttttcaca gtaatggggg agatttgctt tcagaaagcg tcgaactcct tctttttctaa 420
 gggccttaaag aaatgtgtcc cgagaagggg cgatt 455

<210> 461
 <211> 106
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(106)
 <223> n = ambiguous/unknown nucleotide

<400> 461
 ccttgaacca atctacaata ttttcacnat cataatgatc atccctttta acgcatcatc 60
 cgatttcaaa gcaaatacag aaataaactc aggcagatc ggtttg 106

<210> 462
 <211> 51
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 462
 ctccagatac tttttgaaca ctgaagaaaa cgcgcagttg tgggtgaatt c 51

<210> 463
 <211> 79
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 463
 cgtgggcggc accagaatac gagagagaga gcacttccag cgcattccagg cacatagttc 60
 cgtagctca gttgaattc 79

<210> 464
 <211> 470
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 464
 gctgtgtgcg cttctttcga attccctttg ttttcgtact gcctgtcggc cacttgagcg 60
 gcgtatgcta catgctatat gctaaatagg caaacacatt tttgtaacaa ttctcgaaag 120
 tcgtccggtg aatgtgtggc atctatagga gctgtctaag tgggccattg gccattcgt 180
 tatggggcgt tgaaagttgg ctgcactttc tgaagcagcg atgatgaatt gtttgaagca 240
 ctggcgtgcg gcagctgctg atggcctgtc ggtcaagatg aaaagatgag tggcaaatgc 300
 gattgaacca taacagatac tcgtagtcag ttgcgcgagc gggagtttct tcgggatcca 360
 ttaatggatt tgggactata aatacacttg cgccgtggta tctatctggg gaatcgtttg 420
 atatttccat ataaatagcc ctagcatcgc actattgaca ttttgcaccg 470

<210> 465
 <211> 507
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 465
 gttgtgatca tagtaatgta aaatgtcact tgctcggaat agtttttata aagattagct 60
 gacccggagg acgaaggctc tctcgaaatt atcttcaatg tgaagattct tctttctgaa 120
 tgtagctaa aatatgtttg gaaactggcc agtagagatt gcaatggctc tggttaagga 180
 taccattagt agaacatcag cacagtagaa acctggagtt tctgttggga atttacgtgc 240
 gttacaatgc tgacatagga catataagta tgtacatata taaatataca tcatggacag 300
 ttttttacta ttttgtgaaa aaataaactt atcacacctg tgttcaaggg aaataattaa 360
 tatatttatt ggtattgtag aaaggaaaat ttagtggtga aagaaatgcc aagtgggata 420
 tccccaatth ggtaagtatg gtacatatat actggaatag taagggtaag ggaactctaa 480
 tccggatgtc caaagctttc cttaggg 507

<210> 466
 <211> 260

<212> DNA

<213> *Drosophila melanogaster*

<400> 466

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atctacacga tgcctaattgt caagtgtgga aagtaaggga ctgttttagac aatgccataa      60
attaacctgc aaatcgtgac aaatcgggac atcggaaatc gaatatactc tgaaatcact      120
ggaaacattg aattgaaaca aaatatgcat aaatttaaca aaaaaaaaaa tgcgcaaggt      180
gcctatgccg gggggcatcc ttgatccaat gagaattact ttagaactt tacgaaatat      240
gaaatgaccc ttaattaatc                                     260
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<210> 467

<211> 534

<212> DNA

<213> *Drosophila melanogaster*

<400> 467

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gtcccacgga agctttaaca gtggagcctc gtgttttgct ctctcgctct caaactgttt      60
ctgcgattgc gtgtgtatac aaatgtggtg ctctcttttg ttggcgctct atttgggaatt      120
gagatcattg ggtaaaaatc tgttagataa aatggtgacg gagcattaaa tgctgaagat      180
gatttttatgc agtaactttt aaattaaaca gagttattac gttatgttct gaatgggggtt      240
ttgaatgcgt tagatgtaaa ctgtgatgtg ttaataaaaa caaattccaa tgtgttttcc      300
ctaaaaatatt tagtaatatt ttgaaaaatt cttcaataca tcttaaatct gtttttcgca      360
aattgcctat tgacgttcca ctgaaatatg tttttcctcg agtgagataa cttcccttaa      420
attcgtagta aaaatgtcga acattaacag aaattaatca tatgggtcat gaagttgatg      480
cttgcaagaa agtgcttatt taaagaattg tggaagggaa ttgatggctt tggc          534
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<210> 468

<211> 615

<212> DNA

<213> *Drosophila melanogaster*

<400> 468

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ctgcaaagta tgctacgaac aagaagtttg cttgaggata atcttaaaaa acatttatgt      60
tcaccccttta aaatgtcaaa cgatttgagg actctagaga tttcgggaac accctgttat      120
gtatgttttc ttgatttgct taccttgctg caaaagaaca tgatgagaaa acagactctg      180
attcaagcac ctgttgaaatg tgttgcaccc ttacacacac acacacactc acaagcacac      240
acacactggg aactgacaa agctgtccac ccacgcaaaa aagtccttgg acttcaacac      300
ctgagccctc tctgtttgat gatgttgttt tttgtgtgtt gttgcagaca agctgaatga      360
aaatgaaaag agcacaacaa aagaaaagaa aaatcgaaag tttctacaaa gtctctgggc      420
actcaaacac actcgcacac acacacacac aatcttgac acttgagga cacaatgtct      480
```

ttcaacgttt ttgtcaccgt ttctgggtgt gttttgccac atgtctgtct gtgatgttgc 540
 gtactgtgct tcgctctaca agagattcca gtgacacatg acgaaacaga aaaccgaaca 600
 cagcacgttt atacg 615

<210> 469
 <211> 27
 <212> DNA
 <213> Drosophila melanogaster

<400> 469
 gttcgggttg agttagagca tgaattc 27

<210> 470
 <211> 551
 <212> DNA
 <213> Drosophila melanogaster

<400> 470
 ggcgaaacgca gtgcatgtga agagtaccgc tataaaagtt tcgccatcag ctctcccgt 60
 cgctcaccgt gttatatgag tccaacaccc aaaaaaggga ataaagagag ccaagcagca 120
 gcgtcttttg cagcgccagt gccgaaaaac gttgcaaaaa cgagcgaatg aaatcaaaca 180
 actcgcagtc gaaattgttg ttctgcactt gattgtatta attgtttttt tatgggtat 240
 gttttttctt ccttgcggtt cgctgtaatt tgtctggctt ttcttttccg gctctcactt 300
 gttttacgtg cgctgagcg agagagcggg gaagagtggc ccgagtgcgg gagaaaggaa 360
 aaggggggaga gactgtgcca attgttgctg gtggaagcaa caagttactg atggtcgaag 420
 ggggtgtgct ctcaaagggc gccaaaatga gctgcattta aaatttcgga atattgctac 480
 cataaacgtg gcttccaatg ggcccagtc ccattacggt catttcgtgc gtgcaacgaa 540
 accagtgtga a 551

<210> 471
 <211> 465
 <212> DNA
 <213> Drosophila melanogaster

<400> 471
 ggccgagcca cgacgacacg aagcgaaaca cgaatggcaa acgaagccga agttgcgagc 60
 gagagagaga gaatgggaga aaagtgcgaa agagagtgtg taacggagca actacacagc 120
 aagaaaataa atgtgtctag gctagagctt tggatgaat accaaatgat aaaagattta 180
 tgcacaaaag gcacagactt taaaagataa ataaagcaaa attacaaagt tttagggttt 240
 tgacccttaa ttggaactac ttttcccca gtgtgtgggc cggcagagag ggagagcaca 300
 aagcaaaatg caacggaagc aactcatcgt ggcacaatgg gcagactttg tccgagggt 360

ctccaccggc acctcaccac actacacaac tgcgccccctt ccaccctcct cttcgacaag 420
ccgaagtttt tgccgtgaca cttcattttt attttccgac cttgg 465

<210> 472
<211> 215
<212> DNA
<213> *Drosophila melanogaster*

<400> 472
ttttgagatc gaaacatatg tatcaatcga gcggccgtgc gtgctgctga agtcgaagaa 60
aaaatcacgg gaaatcacgc cacttcgggtt aaaacagccg gcaaaatata atgagttaat 120
atgtgttttt ttccgttggtg tttggcggat aagaaaatcg cggcatgagg gatgctgaag 180
tgattgagtg cggcgacta atgtgcagcg aattc 215

<210> 473
<211> 412
<212> DNA
<213> *Drosophila melanogaster*

<400> 473
gtggggaata ttaatagatt cacgtcgggt atgaacagaa ataggtgccc aaatatatac 60
gtattacatt ttaggcgaag atagcgtggg cttacgatgt tttccaaata tacatatata 120
ttcccctata aatcttatct aaatcaccta ctctgcttcc attatatgct atcattcaat 180
ctctaaaggt ttaatcctta cagctgataa gtacagttta attggaggcg taagtataca 240
gtgcttactt gattagtgtt caaactaate cctcttaggt taggtcatta actctcacta 300
atccttcgac tattttaaact accgcgatca aacacaaaca cgaagacctc aagtggtcga 360
ggctgccgtt ttggctatct ctggcacttc atgcacttca atctatgaca cg 412

<210> 474
<211> 559
<212> DNA
<213> *Drosophila melanogaster*

<400> 474
ggcgaatgct aaacaaaatg agagagcgga atgaaagctg tctcttgag agcattttcc 60
agcactgcta gagcttttca agagcaccac aagattttta agcggaaagc ttttcaaaga 120
tgtaactgcc tttttagaa cgtaaaacaa aacattctgc aggacgtaca aaatgtatgt 180
atttaataag acaaagagtc tattatttat gatattctata atataaaaca aatgatgtta 240
caatcaaatt aaaaatattt tatttacttt cgttttatat ttttaagcaa ataataaaa 300
aagtaattaa aatgtagata ttaaaataaa aatttaaate gattcgggtgc acacttttgg 360
taaaatgtag aaaccttcat atggatttcc attaatccct ttcgatactt ttttaacactg 420

gctgatagct tacagccaaa ctggttcaag caaggaaccg aacctcaaca cttttttaag 480
 ctcccacttg gtgactttga aatagtaaac atgggtttta tcagctaata tcagatcggtg 540
 ccaatctatc aattaccca 559

<210> 475
 <211> 474
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 475
 ggccactcgc tcgctgtctc tttctctctc cctcacggat actcgcgatt ttccgcgact 60
 ttgaaattcc gtatacgtcc gttccggttcg tcggtcgaag ctattctgag cggtagggcg 120
 cttttgaaca catcggaaaa gttgaaaatt ttgagattta tttatagaga gaacgggcag 180
 tgttttgatc tctttgctga tttccaaagg tctctttgaa tataattaat caatgggtta 240
 atcagcccta tagtggattt cttattgaaa aataataatt aaaattcaat cactatgtaa 300
 ttaaattgat ttttacaatt tatgagataa aaattgggtg tacaggttca taccgaattt 360
 ctaactcata aattattatt cgaataaacg cacctcaaaa tagtttttga aaaagcccg 420
 taaaaacatt gacttcaatt cggctattac tattagccaa gtttacacca tggg 474

<210> 476
 <211> 849
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 476
 actccggcgc tttctcgctc tcacacacaa tcaacgggtca tgcgttcgta tcgcttcggt 60
 gtgtgtctaa aaatagacac aaatattgaa gttgattttt atacggccat cgtcagatac 120
 ccctccccct cctgttacca tcccttgggt cgtttgggtg gttcgttggt gctatcaaac 180
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 tgttgttggt taaaaataaa ctctgctgcg cgtggcattt ttttttccta tttcaactct 300
 ctacgcgct tttggagagt ggtgagaagt ggggagagcg ttgattaaac tcaatgaaat 360
 aaattagatt taattcatgt ttttgccctc cttcaacagg tccagtacat tacactgagc 420
 aaatgtgaag aaaattcaca tattgtattc agcgatagaa ttatttttat atttagttcc 480
 gtctatctct tcctacttct cacgtagaca agtttttaaa aaatttgccg agcattttgc 540
 aatatttggt ttctgttttt tttcgcgcca atatttttag cacctcttca atttttctct 600
 gtcgctgcc ttttttggtt gttttcctac ttaacgccac gagctgtttt tctcagataa 660
 aattcatagt gttggatgga ggtgggggtg gggggggggg tggggcatcc tgggtgagtgc 720

aacattgttg cctcgtttga agtggctgtt taaccactg atggcccaga aggctaaaag 780
 tgcataatgg aaagatttat cttaagactt gttatgactt ttaaaggcat tttcatagca 840
 aacgaattc 849

<210> 477
 <211> 157
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 477
 ctcaggccat tcaacttctt ctgcagtaag gaaatctcag cgggcggcag cttaagaacg 60
 ttcctttcga gccggatggt tagctgctgg cgtatggcat caaatatctt gccggcctgg 120
 ttttgatagc tacgcagctt cttgcgtccc agaattc 157

<210> 478
 <211> 94
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 478
 atacagaaca tgtaccagca gctctcacac accacccgcc cgcccccttg gcggtatcga 60
 tatataaata ttttctatgt gtgcgtctga attc 94

<210> 479
 <211> 485
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 479
 gaatgaacat atctcaccca gtgaaaccgc tccaccttcg ctcagcgctg cgtcggcggc 60
 gactgcgcag tcggcgggca gcagcggcag tggggaaaaa agtgaattta tttcatgcac 120
 acttttttgg caaccagtt tgagccgaat ttttctgggc tgcccggctg tctggagttg 180
 ctagtgcacc cggatttctg gtggacaggg gcaggaagtg cagagttgcy tgggcgcatt 240
 aggtgtgtta gggtgacagg ttttgatatg gatgccacaa atcggatcgt cacctttgtg 300
 cgacacttgt tgcttcgctt tggctattta tatttatattt ttctttgaaa aatgacacaa 360
 acccgtgtgc cttgttaaaa atgtgcgctt gcctttggaa ataaatgttt ccgccataga 420
 aaatgtatatt gaaataattt ttgtgcacgc cattcgagac ttccataaat acaaagagga 480
 atggg 485

<210> 480
 <211> 1145
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 480
gcaagggcga gaagggcgcgt gttgtgtgcc aacttaggcg ccacacaact ttccaattgg 60
tggtgaaata gttttgaaag ttttactaat aatctttata gttattaaga taattgagaa 120
aagcgcctaatt gaaaacaatt cttaaaaaca aaatattaaa tcgatccctt taagatttat 180
ttaatatggt cccttcctat taactaagat tttttccata aataaataag ttgtagaaac 240
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gtttgaaaaa aaaactgcc aatagatctac tttacttact aactcaaaat gatttttctt 360
atattttgat tacgttttagt atacctcagt aaaatcaaaa tagtgggtac tagaaaaaaa 420
caacaacaaa accgctctct gacgtcgttg cgtctgtctg gcgtctcgca cacagccata 480
caaaatacgt gcacatattg atgagagaga ttttctgcat tgctctttgg attcgtgttg 540
ttgctgttgt aattgcaagt gatcgtaac cggcgcatta cactccggcg ctctctcgct 600
ctcacacaca atcaacggtc atgcgttcgt atcgcttcgt tgtgtgtcta aaaatagaca 660
caaataattga agttgatttt tatacggcca tcgtcagata cccctcccc ctctgtttac 720
cgtcccttgg gtcgtttggg ggggttcgttg ttgctatcaa acatcgcccta tcagtgttgt 780
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ttttc 1145

<210> 481
<211> 232
<212> DNA
<213> *Drosophila melanogaster*

<400> 481
cttggcacat aaggaaatat ggcacatgga gttctatgta aaaagctatt tagatcgcca 60
aataaaacgt ggaatttgtg ggaaacactt ttataatact ttttgtatgt ataagagtta 120
taataagcat aatgagaaca tggcataata cgagacttaa gccacatgat gtactatgta 180
catacataga aatgtgtgta tgtacctaca taacataatt ttaaacgaat tc 232

<210> 482
<211> 522
<212> DNA

<213> Drosophila melanogaster

<400> 482

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cttcggcact tccacagcgc aaggtaaaaa ttctattccg tggcgagcat tcgacgtgag      60
cggacgtttt gagcgcgtgt gccgtgccgc agataacgaa acattcgagc tgctatcacc      120
agaattgaaa acagaatcgc atcaaataca ttataacttca cagttgaatg acgagaaatc      180
agaaaaaaat attccccgcg ctttctaaag aaatcaaaat cacaagttta taagtgccaa      240
aacaaaaaatc aataccgatc gcatacaatg cagcgcccca aaaagtgtct aaaactgtgc      300
tgaacaaata ttatacaaaa aaataataaa taagcaaaac aaacaacaga aaatctatat      360
ttaatctatt ctatatctat gtgtaatcga atcgaaatgg gcagtcgaac aaattgataa      420
aatggcagct aaagccggag aagctacaaa taaatggatt aagcccagca ggggtgagtta      480
tcaaaagcga cgccgcatta cggtagcccc acaaatgaaa ta                          522
```

<210> 483

<211> 325

<212> DNA

<213> Drosophila melanogaster

<400> 483

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gtctaataa atcaccgcag cgcagagcaa catttaaaag ctttggccaa caaaaagcga      60
attgcgtaca gttgtgcaac ggccaacatt cgattcgatt cgattcgatt ggtttgatt      120
ggattggatc ggattgtaat cgcaggcggg acagagggcc gcagcaaaag aatcggtcac      180
aaaccgcaca ttagattatc gagatatttc ggggaaatgc ctggcgccaa gtgtgggaaa      240
tcaacggaaa catttgatgat tcgaagcggg gtggatttga ccggtgctat agaaacgggg      300
gttaaaacta atgattttta atttg                          325
```

<210> 484

<211> 426

<212> DNA

<213> Drosophila melanogaster

<400> 484

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ggtcaaccag agagagagag ggagcgggag agggagaggg agaggcagag gaagttttgc      60
gaagagagcg agtgagggtg acggaaaata attgattgat ctaatctatc ccatgaaaat      120
ctggtataat tctactttta aatgagagct ttgttttaga gttcgaatcg attgttttat      180
tgcttagggt tttggtaaga atatcatatt ttatgagggt atgtggtaat ctcggcttaa      240
gtggtgaagg cttcacatta aaatctctat tgatccgtta actatcttaa attactatct      300
taatattttt tactttcata attacatata ttttttataa attaccgttt cccaattgga      360
aaattatttg gttggtatgt atgggccgcc cggggccggc gtgcaaatca tttttcgcat      420
```

<210> 485
 <211> 527
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 485
 ggctggattt agagttcggg tcttcgggca tatatcgccg acggcagacg gactagacgc 60
 ccaacaactg acaccacccc ttcagtctgg cgattccacg ttcagtcgcc tggatattgc 120
 tacttttgtt gttgtcgctc tgcttgctgt ttgtttttca cgtcttgccg caacgccagc 180
 gtcgactgcg gcgccccttg cggagcagag ctgattgtct ggctattttc tggctatcaa 240
 ttacaagcca ggtacaaatt ctcaatggaa aatgtttcca gaaagtatgc tattatttat 300
 tattatttct gctatcaaac gaaatatgta tgattgctac tgtaagatta atttgtggca 360
 taaatttagt ataagtacaa acaataatag agatctctct attaagcgga caacataagt 420
 cgtgtattta atactattag acttacgtcc aaagaagcta taagcgcac actattgtgg 480
 caaaatgaat ttgccttaga ggattattca gctagcacca caacact 527

<210> 486
 <211> 504
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 486
 catccgattg tttacggccc tcagcggaga gcaactagtg ggtggccact tcaaatcggg 60
 gatgccgggt tagctattaa atagttatgt ttaacattta ccagtgggtca tttcagtcag 120
 aaactactgg agtgtggcac agaaagtgta aaagtatgca taacatatta aatataaatt 180
 gtgaagccta cggtttacia taaatacaat acctgccact ataaactata gccatttgtg 240
 tatggatatct cagagagaga agacgcaata agatgagcaa cagaggtatg gaaactaaga 300
 gcacaagaaa gagagacaca ccaccgtgat acggtttgtt gtggaacgca aaggggtatt 360
 cgatcgtttg tggagcgcac tgcgtttgtt tgtggttcgc aattgtctta gcccgcgaga 420
 atatttatta ttaatttatg gcattttatt atgtaccgc ttgttggcta ataagcaatg 480
 tgtttactta agcttttgag tgta 504

<210> 487
 <211> 584
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 487
 ctttgaacca ttgcttttgg ttcgcttatg aactgactgt attttttcaa cgtagtgctg 60

| | |
|--|-----|
| ttttattttc gttgttgatt cgttctttgc tcagttcgtg cgcttatctt gacttttgct | 120 |
| ttgatgcgcc attcgcatgt actggcgaga gcagcctagt gtgagtgtgc atttaaattgg | 180 |
| ctccccaatg agagcatcat tttgtggccc tctttttgtt cagatcttcc ttttgctcct | 240 |
| cttcttcatg ctccccagcc catccgtcgt ttgttggtct tgctccgcct gttttttttc | 300 |
| attcggtttt gaatttacac aaaacgtttg ccgttgcttc ttcattgctga aatagtatat | 360 |
| atgtatgtga atatattgta catatttctc tacacatcca tatgttttat ttgcaaaatt | 420 |
| tattaatagc gcagcgccac tccgcggctg tgttagtgcg ccagagtgcg aaagtaacag | 480 |
| taaaaaacta aatattaatt cgcgttgatt ccgattcgta ttgcaagttg ttcaaaaccg | 540 |
| agtgctagtg atatttgcaa aaaattaaca tattttccgc tggc | 584 |

<210> 488
 <211> 439
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 488 | |
| gtgtgggtgt gagccgcctt tgccaggaaa actaacaaga aaaaattccc tggcgttaaa | 60 |
| atttgcacaa aaaatgttga atcagttcga ttttcaatag aacactcacc cattaatata | 120 |
| ccattgtagg aggggggtata ttgatttccg tcagaagctt gcaacgggga agggaaacgt | 180 |
| ttgcgatcat ataaagtaca tatatatatt ttggataagt ataaactgcc aagacgattt | 240 |
| agccaggtct ctctttttat tcgtccgtcc gtatctaagc aagctagtca tgaagttgtt | 300 |
| aagttatctg gataagtcaa tcaaagtgtt gtttctactg caggaagtat gtatataata | 360 |
| agtatatcgg acatgtacat cggaatatta tgacaaaaaa gtactttcat tatatataat | 420 |
| tcatttttagt tttttgacc | 439 |

<210> 489
 <211> 118
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 489 | |
| gttacgatca agacctagag ccgagccaga aaaaggtata ctgcagagac agagaggagg | 60 |
| gcacagtgcg agagagcgaa taccggaaag aaacattcaa gcaataatca cggaattc | 118 |

<210> 490
 <211> 352
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|----|
| <400> 490 | |
| atctgctcta aaatgagcgc ccctttcggg cgctcggact gcggccctgc ttgctctgtc | 60 |

ggtgtgcaga ctgtgctcag tcgatatttt tgaagttgct gtactttgcc gtcgcgtcgc 120
 agtagttgtc tcgctcgtc cgcagccatt ctgcttgccg cagcgtttat tttcgtaacac 180
 tgcgactgcg atgtgcgctg ctcacacacg tatacatgca tacagcatac agtggcagaa 240
 aacagtttgg cacgggttat aaatacgtat ttattagtaa aataaataag ttgctcagtt 300
 ctttagacga aactatggat tttattttta tattgaatag gatgagaatt cc 352

<210> 491
 <211> 333
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 491
 ggccaaccaa gctggttgcc cccctatctg tgtgcctctg ctgttcgctg gtgttggtgc 60
 gctgtccgtg tattggtggc tctacagctg agcccgacac acttaccctg tttctgcctc 120
 tttctgctgc tgcgcatgtg caagagagggc tcttcggatg ctctatccaa atcgaaagta 180
 actcagctat gtcactgaag taaacacatt gtattgtaca ttaacaatac cttatacttt 240
 ggctaaatag ctaggacatt tttacagtct atctctttgt gaaaaccttt ttatcaaggt 300
 ctttaaaaag taagtgcatt taagcccgaa ttc 333

<210> 492
 <211> 91
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 492
 tttcgctactt tgtttagcgc agtgtgacca gccgcaagtc gggatgaata acgtacaatg 60
 tcgtacaaat accgaagaca atattgaatt c 91

<210> 493
 <211> 426
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 493
 ggacagctgc atacaaatgt tttgctctgc tcttcccttg tgttgctatc tttttctctc 60
 ttccactctt tttgctcctt cttatttccg gtatttaaac tttgcgcatg cgcattctct 120
 tctaactgaa aaaaaaccgg tcgctctctt tttctttcat ctctctttgc ggtttttggt 180
 gacattttga tgcacttccc actcaagctc acacatacac acacacataa aactacgctt 240
 attggtgtct tttttcttct tgctgtttct tttgggtggt tctattcggt tccgttgcaa 300
 attcgattta cttctacttc gaaaaaatag ccgagacaca gtaacttcaa aactgtgtcg 360
 cactatcagc aactgctctc atgtatattt ttatcattaa tggatcattg gtttccgctt 420

<210> 494
 <211> 548
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 494
 ctcatgtatg tgggttgtag atacatacaa atgtgccagt tgagttttcc caatacgcac 60
 tgctctgacg tcacgagcat caacatcagg agcaaaagca acagcatcgt cataatcacc 120
 atgtttatca tcgcaatcgc cacaaaagca aaagcaacgc aacagcagat gtttatgtgc 180
 caacggtaga gtgtgcattt gtgtgtgtgt cagagagtat gtgtgtgaaa aggtgcatct 240
 gtgtgtgcta gcaaacagca aatagtgcga gcagggttgt cagctcactg gtggctaata 300
 tgaaaaagct gttgccggag tgaaggaaac aatTTTTTTT taaatttaaa ataattataa 360
 tataagaaag aattaagtaa tatagtattg catagtagtt tatttaccta ttgaatgtat 420
 aacttttagaa aattattcgc gacagtcgac aaccctggaa tctgttattg cctcgtctgc 480
 ttttatctac gcgcacacag gccaacagtc gacagaattt ctgtgctttc gtcgcagcga 540
 gcatataa 548

<210> 495
 <211> 120
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 495
 aacgcgtaca aaagcgcata aattgagagg cgagagttgg ctagcaacgc gcagggttgt 60
 cggctatatg gggaaaaata acaaatacat ttcggtaatt atatggttcc gaaagaattc 120

<210> 496
 <211> 408
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 496
 gccccaaactc tctcttttgg caagaaaaat cgatttcggt tttttgcagc tctgggacgc 60
 cttcaaattg cggttaaact gaaactgttt gaaaatagct tttgtaataa gtgcctttta 120
 taccactatt acccacactt tacttaaatt tctaaagcaa tcattgttat tacatgacag 180
 attgttcaga tattcccccta caagttattt acttgtttac ttattttctt gtattgaata 240
 cgtataatta aatataatat actaattaaa aataaataac gaagacaaga gaaaatgtct 300
 aaaatagaaa tgagcttaat ttaagtaaatt aaattatata gccttatctc taggggcgtt 360
 gtttggtttg gttttttatt attatacata tgttcctcat gttcaata 408

<210> 497
 <211> 559
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 497
 aactgagcta tgccagcgaa ccaaccgctc gtgttttgcg tttttctcgt gagcgacgac 60
 cgcgagagca actcgggtgt cagtacactg tgcgaaactt ggtgtgcagt ttaaaaaatt 120
 cattcaaact ttaacttcag ccttaacaag ccttaacagc acgtataact aaaaagacaa 180
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 ttttatatat agtcacttgg ccgttttttt ctgtgcaatt ttgagatact tgacgttgtt 360
 attgttcctt tggcaataaa ttttcttaaa ttcagcattt ctagtgtccc aagtgaattt 420
 ttgatattac tcatcatcat ctcatgctca tctcagttgg aaaataattt acgcttgtac 480
 ttggagtaca aaaaatgtgt gctgcaagat tgatgtttta agcttatttt aactaaattg 540
 gtcctaacta tttggttcc 559

<210> 498
 <211> 592
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 498
 accccactgc tgaccctggc gccattcgtg tccattcacc gtgcgcaact acaacaacat 60
 tagccgcctt gtcgtggctt atttgcattt acttgggcat aatcagagcc gggaaacgtgg 120
 cattcctttc caggatatta aaccgcgagt ccggacgggt gggttaacga gtattggcca 180
 cgttagagga atttctctga aaggcgaaat gcgtaatgtt aacttttttc gcaaattatt 240
 aattcgaaaa actgctttta gattagctca caaaatcggt acaaagctag tgatattcta 300
 ctggaattaa aaaattgatt ccatattcca tgtgacctt aataaattgc aatttattat 360
 tcaaaaggcc catccacctg cttcactttt aaaacaacca attatttacc caaatgatcc 420
 gctcattacc ttataaattg atgaactcat attagacca ccagcgagcc gagtgaccaa 480
 acaaattagt caattcgttt aataattgtt ttggatacgt ctacaatggt gcatggttat 540
 ttttcataat ccattgtatt ccgattgcac tggtttcgat ttttggctta at 592

<210> 499
 <211> 108
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 499

cgccacacgc tttatgtaac tgcgttgta tgcaatata cgaatatgta cgaatgaacg 60
 tacgtatgta tgttttatgg gggggatgga gcgagtgtat tagaattc 108

<210> 500
 <211> 284
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 500
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 tgtatgcggc tttgccttcg ttttctaccc gcttcgaaat tcaaattcgc ggcgagcgtg 120
 aataacaaaa aggtgacgtc atggcggcag cacacggcat acaaacatac agtcgctatg 180
 gatgtgtctt actacagtcc aacttgctta ctaaaaccaa tggtcagtat agaaaaaggt 240
 gactcaggac caaataggaa ataattatag tttaaactga attc 284

<210> 501
 <211> 455
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 501
 gcctagatgc tagctatgta tgtgcttgat tactagtgc aataactaact accggttttag 60
 atgcccggcc agatttgtgtg cacaaaaaaa aaaaaaatga agaaatggac gggcgatcga 120
 gtcagctagc gatcacttat tgcacacaga aaaatttggc ttaagatcgg gactatgatc 180
 gtggatgcgg aagaaagttg aagatctaag cacatttaag tacgatattg cacgtttctca 240
 tccggaaaga ttctttgctg tgagaacatt caaatcttga accaagaatg gctttattcg 300
 cagtggtagg tggcttagct aggtgggctt ttcgcttgac cacgatccaa ttgccacag 360
 gaagcttaaa gatcagggcc cgatcaatac tcaaaccacc ggaccaggga agtcgtttta 420
 aggtttcttc atgggggaaag tcagttgcga gcatt 455

<210> 502
 <211> 522
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 502
 agctagcgaa ttaatcaccg atgtttgcac ctgcctttc attttcgaat cgaaacatca 60
 tcgctgtatg agcgcctcac gtcacctttt aaacttatcc caatgctaca gagactgaat 120
 ttgaataatt caaaccact caaacaagcg cgtagcaaa caagctatcc gctgcaatac 180
 cgcgtatcag atatgaatag taatcgagt accttgctg tgtgcgcagt cctgtccgaa 240
 ttgtttgctg tgggtgtcct tcttcgactt ccagtcctt agtttcccac accacgttcc 300

cgccaacttc cttggcgtct atccctgtcg ccagatgggc tagcctggag gacgcccccg 360
aatgggctct ccaactaacg ccttgtgcga ggtcaaaaaca ctggaaatgg aacactaggc 420
cacaagtacc aggacttttag ttaaattgggt tgctgacgaa aggtaacaat tgccaattca 480
ggtgagtttc actcgcaagg aaagataagc tgaataacat aa 522

<210> 503
<211> 676
<212> DNA
<213> *Drosophila melanogaster*

<400> 503
gcagtgccgc aatgccagga catccggcgg ccagttcgcg tatatccttc agctatgata 60
ctgccttttag cgattgcaag tagccgaacg catccggtga tcgtagacca cgatcacgcg 120
tggaatgtgc cagcgttttt gccgccgttg cggcggctgc aacatgcggt gatgcagccg 180
gtggtgcagc ggataccggt atcagcaggt cgggtgtgggt cgatcagtc atactttctg 240
gttgccgggt ctaattgcca tgtcctacta cttgtcgctt gattttgtta ccaccccttc 300
cctgtgcgtg tccttcgcgc tctgaatgct tgatgttcct aatcgcttga cctgtgggtg 360
ttgcacgctc aatattgtac tggatatttg attacgttca gtttctgggg tggtttcttg 420
gttaaataaa tgccaatggt gatatttttg taaataacaa tcaacactgg actggtcaca 480
ttataactga aaagaaaaat ataaccacag tttggatata aaacgattaa tcaccaaaga 540
actgagttat tacagcttaa gtaaaaccac ttgctaacac tttaagctaa acactatggt 600
aaaaacattc ttctactaaa atataataaa aatattaagg ggaataatgg atggcaacct 660
ttcattggct ttgagg 676

<210> 504
<211> 541
<212> DNA
<213> *Drosophila melanogaster*

<400> 504
ggacgaggca agccgcaaga gagcggcact cacacaggga caggcactca cacagacaca 60
caaccgcacg accacgcgcg caccaacct ctcgctcaca caggcgccga accccatgta 120
gtagagatgc gaccgtgagg cgattttctt cgcgcgagac gcccgacttt gaacatgcag 180
tcaaccagtg tagcaccact ctaacttctg ctacgttttg gttgttttat tgtagttaac 240
agtattaact tttcgttttt aatcatttta aactgcattg caccattggg acacttttta 300
ttcattgcac agaccattca attgcacatc tctagcagac aaccaaccag gtggcagcgc 360
tttcgactca aatacaagt gcaaccacgg tcgggcattt taataacgga aaagggatga 420
aaagtccaga atagcgcgcg cgtttgggaa atgggttaa atcaaagtga ctaggaagtg 480

tgggataata tgaacacgaa tggaaagcga ttgagtaccc ttaagaactt agaataacca 540
g 541

<210> 505
<211> 59
<212> DNA
<213> Drosophila melanogaster

<400> 505
gaccacgcct aaattaggtc aaagctcagc atcgttttgc atctttccga aatgaattc 59

<210> 506
<211> 288
<212> DNA
<213> Drosophila melanogaster

<400> 506
ctctgaatta ccattgaaaa ttcattcgct tcattcattc tttgaacaca ttcatttagt 60
ttatttcgat cggacgcctg taagtccgaa tacatacgaa gtgaacgcaa agagaacgcg 120
accaactgaa tggcatgtat tctgaatagc cagtaaaacg aatcgatact ggagaatggt 180
ggtatgcata cctctagtag gtgtggccgt cgtttttcaa tttgttgctg ccggggaagg 240
cacattaggc gctaccagct cctgcacacc gttatccagg gggaattc 288

<210> 507
<211> 234
<212> DNA
<213> Drosophila melanogaster

<400> 507
gcttgtccac tctaaattga aaaactggtg gtcacacaaa agtatagacc agatatcgat 60
agacgccgat agattcgggtg aagtaaaatc gtgcaatttc ttttccaaag acttccacta 120
gttaaaaaat agatacaaaa atgtccgaat tgcagggtgaa ctgaatctac gtcaaatacg 180
cattcgtatc ttaaagtctg attacctatt caaacttaac ctaaacagga attc 234

<210> 508
<211> 31
<212> DNA
<213> Drosophila melanogaster

<400> 508
gttccgaccg acgggtgcac acgccgaatt c 31

<210> 509
<211> 892
<212> DNA
<213> Drosophila melanogaster

<220>
 <221> misc_feature
 <222> (1)..(892)
 <223> n = ambiguous/unknown nucleotide

<400> 509
 tggttcggcat tgccgtttca cagaagcgat ccacaaaaag cttgcgctct gctcgccttt 60
 ctctctcaca gagattggga agggaatcac ttttgagatt gccatagtga cgtcacgcgc 120
 acatctactt atctactgat ctacttatga tctgaatact tatcgatatt ataccaatta 180
 aagtagttgc atacattaca tacctgtagc tcgtggagta aataattaaa tttatattaa 240
 gctccgttgt ccggttggtc gtccttggtg tcctaagagt tgggtgtggag aaattgcaat 300
 agtttatgag caattatagt atcacttact tcttttagct gagttactgg gggatatcaa 360
 ttgtacactt accaatttaa agaccggaat tgccagtaat tttaattctg actnycattt 420
 ttgatgnaat tgtgaaacaa aaataatgct taacaagaga gaacgctaata gatgatattt 480
 tgttcatttt aatggtamca gagtttcaat gtgtaattaa catactatat tatttttcca 540
 gcctatctag gtacacttta taaatagaag tgattagcca cttgggctgt ggtggcgaac 600
 ataaatgcct catttgcagg caaatgaggg aaatgccgta ttgataagac agactttaag 660
 ctggagtttt ttcgatttcg taacgatgtg attcagctgg tcattcagat cttgctccgc 720
 ctgtcaacac gtttgccgtt gaggactgga atcctcgcgg atttgtctta tttatggcca 780
 ctggctggtt ctgctaatag ccataaaatc ttattaatca tatacatatg tcaagtgagc 840
 gtggcaatcg agcagatctg catccacgga ctgggttttc attcgggaat tc 892

<210> 510
 <211> 53
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 510
 gttgggttaa agaacagaat attccgatca ttgtaacggt ggacgttgaa ttc 53

<210> 511
 <211> 197
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 511
 ggatgtgcc tcaattctga cactcactgg cctaccgggt ttttcgatag ttgaaagtgt 60
 cgtaatatcg agtacacgat actttacttt tcccttcgct cctttgaagc cctggcactt 120
 ttagatttcc cgtgaaagt caacgtatat ccgattagt ctgcatactt ttagacggca 180
 aaaagctgat tgaattc 197

<210> 512
 <211> 305
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 512
 tgccattcgc tcgtctctcg gctttatgag ccgaatgtga tgtacaaaaca gtgagaaaac 60
 tggttgtgtg tgtgtgattg cgccatcgct ctatgcctgt gtttctctct gagcagagca 120
 catttcgttt gtttacagtt tttcgttttt gcgccatggg aaggctgtat tcggattctc 180
 tttaagcaat gaatttaaca aaaaattagc tagccagtga agcatatctc tttaattcta 240
 ggctgtaaaa taatttttaa gaataccgat atgttttctt tgtaagagtt ggcaatctga 300
 atata 305

<210> 513
 <211> 387
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 513
 gacgagcgaa tggcaaata accaaccgac ctgaccgacc gccactccgt cttcgcacag 60
 tgggttgtaa acttggctta acaattgaaa tacatttcag gtatggatac aggagcgagc 120
 ttcgattttc acttggcttt ttaaaagcct tctcttatca gcaatcgggt cttaatacgt 180
 ttcaaatttt tctctaaaac gattggacat acatattaat gcacatatta gtgtttattt 240
 tgtcaaatta aaatttttga tgagagcaaa tctgtcttca agtttttatca taaaaatgaa 300
 attgatttat tcctctttta tttaaaaggc tcgtgtcctg aagcgcgcta gaaagttaa 360
 gaaattataa gaattttact agaattc 387

<210> 514
 <211> 530
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 514
 agctgggcaa tcataagatc tggcctgaca acagtccagg cagaagaaag gggctcgtct 60
 tcgcttctag actatttata gcttcctcat gggtgacctt gaaaggagac tggacagccc 120
 aagaggcaag ttcttttggg gtatttacga ctaagcaacc acattggttt tggccagcgt 180
 aatgagtttt tcgacatgca ctcgataaag tcgcagcgat aaggtcgag agtgctgaat 240
 cagtcgactt cccgcatggc aacagttgga actcgttttt agccactgga actggcgctt 300
 gtgccacata aaccggacag ttgccgctga aagttgccgt taacaaagcc attgcaatgt 360
 acagtcgagt caagtgggtca cgtgattaaa aacgagcaag agcagaaaat caaaagcaag 420

ataaacgggt ttcgttggcc aaaatgcgtc atcgccataa agccttgccg aagtcaatag 480

aaacagctgt tgccaaatcg agaagcaccg gatcaaggag gtcattgcgg 530

<210> 515

<211> 516

<212> DNA

<213> *Drosophila melanogaster*

<400> 515

gatccgcagt tggcttttga cttcggttcg gtttggacgt gctttttttt tccgcggcgc 60

ttccgccagg accaattgcc ttcccttggc aggggaaatc gttgaaagcg gccccgcaat 120

tgcgctcctt ttcgtacttt tagcaattac ggcgtagcgt aattggagag aggtgtaaat 180

tcacaattta gcaactgcagt cgttgtgcc cttgaagtcg tgagtgcagt tcgataatct 240

gaagggtttcc gccgtgagcg acgctttaat tattttgact gtcacagatt tatgctagga 300

gattgcgata ccattcgatt cgattgtagg aaatgaaagc acttaaaatt atatagatag 360

atacttgat cttctccagc agaagcgtgc ctttacttga tatgcgtgac aagcaaacac 420

cattaccct taaatgtcag actgcaatga attttggatg tattaccgg attctggcct 480

tttaaagtcg ctcgataagg caccgtctgg tcggcg 516

<210> 516

<211> 583

<212> DNA

<213> *Drosophila melanogaster*

<400> 516

gtatcgccca tctctatttg ccacgttcgc tcatgttcat tcacatttta cttggagtcg 60

gtaacgttga gttccgcgtc cgtgcgttct gccttccaat agaaagtctg ggtgtgaatt 120

taccaagatt ccagtgcgaa aatcaactca cattgctcgg tgatccgtgc ggcggtataa 180

ttgcagccgg aattgcataa gttgcggcga gcgaaagaga gtgcacggat ttacagttat 240

aaagggccgg cagcgggtggg gcggcgacgg cagagcacgc agaagaagaa gagacggcag 300

tggcgaatta aaaaaaaga tgaaagaaaa ttcggggccgc taatttttct tcaaatttgt 360

gtgcggtcgg cgaaaaacaa cgtgtttttc aatgggttga taatacacac ggacggcgca 420

ctcgcgtca cccacacagt cacaaaagtc ggcgacgtcg acgaccaca cgtcacata 480

ggggacgtaa aatccgtgca tacgtgtgga gcgtgcatat ataaccatat tggccgattg 540

gaggcccccg tctgctttta ttttttttac ttaatttcct att 583

<210> 517

<211> 437

<212> DNA

<213> *Drosophila melanogaster*

<400> 517

| | |
|--|-----|
| gtcccacgtg atccggtgta gcagctgaat gaaggtaagc gttgggggttt tttgcgtacc | 60 |
| gccatattta acttactctc ttcattccgg ctccgccttc ttatgtatgc cccttcatgc | 120 |
| tccgggggtgg ctgcccctgg cccaagcgc cccggagaat cgctggcatc tgcaacggcc | 180 |
| cctccttctgt cccgcgccag cagcagcccc ggcgtgtttg ccgacccgcg tgctgtcccc | 240 |
| gtgtcaccac ctgcgcgctt aattcggctt ctgoggatgc caccgctttt ttttttaa | 300 |
| tttctgtccc gtttatgaca agcccggaca tacggtttgt tcattgccga ccggcatctt | 360 |
| ttattctggt acagtgcct ttacctctcc gtccctccgc cccacccggg cggacagtct | 420 |
| tccttcggca cttcctt | 437 |

<210> 518

<211> 442

<212> DNA

<213> *Drosophila melanogaster*

<400> 518

| | |
|--|-----|
| agtcaacgaa aagaaaatag tgagaggaga ggggtttattg aagagagcct ctcattttta | 60 |
| aattttctctt taagctgttc cttctaaagg acacaagaaa ctaatatgtt tatgaaataa | 120 |
| gaaacttaac cgtgtatgtg ttttccaatt ttgcgtgaac aaataaaaaga gctcaagcat | 180 |
| tttatcgttt gagtaatttt agataaaaaat ttattaatat tttttaatgt tttcaatttg | 240 |
| ccatagacaa ctttttttcc aataaaattc ggtaatatata ataacaccat gcctgcaatt | 300 |
| tttatataaa ttttttagtag cacgctctta gtttaatat taggtcaata aaataattat | 360 |
| ccttattggt ttttttttta atttgcatat tgggttggtga ccagctgtta agaagaagag | 420 |
| agggagagag aaaaagagaa cc | 442 |

<210> 519

<211> 536

<212> DNA

<213> *Drosophila melanogaster*

<400> 519

| | |
|--|-----|
| caactcatat gtcattttca catctcacat tacgtctaata atgtgtatta tgactatttt | 60 |
| tgtttatgct tcccgaacc cttcaattca gtggttagttc acatgaactc cttttcatag | 120 |
| ttaaacaaag cagctgcatt tcaaaacttg ccaatgtaag tgaagtaact gctagaagct | 180 |
| cctacaaaca agttttccat attccacaat atgcatttag catacgccat gtagttaatt | 240 |
| acgtatacga cgcgagaaca aaacgaactt gaatgttctg cggcaaggcg agcggataga | 300 |
| gaaagcaagg cttacattcg atttcgattt ccataagacg aggttattca ccaccaccc | 360 |

acccactage caccacccat tttggggggc acatttatta tcgcagacaa gctacttagt 420
 gtaatcgcat ttgtatctgc aaccacgcga cctcgggctt tttgattgtg actccgcctc 480
 ggattcccga atccgattca gactcggatt cctgatccca ttttgatttc ggtttc 536

<210> 520
 <211> 469
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 520
 atttacacgg acgggctttt tgcgcgcgtg tgtgtgggtg ttgcgtgagc gaatgtgtgt 60
 gtgttgtgta ttccctacgc ccctctttct cacgcttggc gcgcggggcgg agggaggatc 120
 cgtgcgcacg ctctttggag tcctaccgct ctttcagtcc ctctttccac tctctcgatc 180
 ccagagggtgc ccaaaacata agttgaaact tatttaagta cggcttgaaa tatttaatcg 240
 aaaaggaagt aaaaaaatat aaataaataa ataataaaat aaatataata atatattaac 300
 ttttaatat tttttttaat gagcgggctt aaaaacatta aatgggcaag attatataaa 360
 tattcaagtt acgcggttaa ttaaaaacat taatagaagg gtttttcttt ttgaaattaa 420
 accaatccgg ttttgttggt atgaacttat ttgactttaa attattttc 469

<210> 521
 <211> 417
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 521
 gctcccgttc tcccgcgcgt ctctcgccac agtgggcaag gtggtggatt tttcgaacat 60
 aatattaatt ataaaatatt caaaataatc acacagcata taatattttg ttacataact 120
 attttaagtt ataaacatat atttctgtta tatttaataa gtattgttta tactcgactg 180
 ttttaagtgt atatcagcga tttgtaccac tgtgccgtgc tccacttgct cccgctccca 240
 ctcaccgtgt gtgccgtgcc aaaacggaga tctccacctc ccgtctcgct cgctctccct 300
 ttctactact acgatgccgc gccccttcgt tttcattcaa aatttcatta aaggatgcac 360
 acatgcacac ctccctcccc cagacacaca cacaaacgca ctggtctggt gaattgc 417

<210> 522
 <211> 543
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 522
 tccatgcaaa cacatttaac ttacagatta tcaaaaatgc attttatcga tcattttatc 60
 tattttgcta cgctcttttt gtgtttactt atcatgaacc atgcttggtta tgcaataaaa 120

attattttatt agaaagttat actatagtat tgataaaaac tcaagtaaca accaaatatt 180
 aaatggtaat agtaacccag ttcgtgaact acgccatcac ataaacggcc ccattagtct 240
 aaaatgtcaa atgacgccaa ttgattatga gctccccctt tggcgagcgc gcgattcgtc 300
 ttttcgcatg tcaaaaagcg acaggtaaac acacagaaaag tcaaaggtgc ccccagggac 360
 tgtccccctcc tcccctcggg ttgtttgccc accgttgaaa ctaggggcaa gacatttggc 420
 tgtctcataa atgttcagag cgttcgctt cgctagttgg gcacaaactt agcgttgcca 480
 gtgggtccta caaatagact ttagggcggt acggtgttcc caattgacga attataaaca 540
 aaa 543

<210> 523
 <211> 510
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 523
 cggacaaaac taaaataaaa cgaatcccaa acctgattgc ggtaaaaggc caaattggac 60
 cgttctcggt gcttggcgg tgccttgggg ccagcgttag tcatcgatcat catcatcatc 120
 atgagcctta gccgccttat gccgctcccg ctgaattgac cgaattaaag ctctgggatt 180
 gcgtggagcg ggcaaaccag ttcttggccg ccacactcca gctcggactg caactctaaa 240
 aagaccagga gaaattgcca cagtcaaaac aattagacag acggggccaga ctctgtgtctt 300
 caacttggtg ccgcggcgga taaaagttgg tgtcttatgc tgggaaaagt aaaaagtgtc 360
 taattaaatg cttgtccaga ctggctttgg aaaatacaag gtgcttcaat gcaaacaaat 420
 ctgtacgaag ctgaaatacc cttaagacat actattaaat ttaaattttt caagcttgta 480
 gcgcattttt caagctttcg aaatgaattc 510

<210> 524
 <211> 527
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 524
 gaattcggga cattaattgc ctgatttaag ggcgaaattaa agtggtacag tgagagaaaa 60
 gtgtaataat agcttatctg aatttcaaaa actcgaaatt tatttatatt aatttatatt 120
 ataaagtatc caatccaaga aaatgaggtt atgcgaatgt agtaattaga ttctaagttc 180
 tagtttttct ccgtgcataa tgagagttct tcctgtttcg ctctcctctt cctctcttgc 240
 gcactccttc ccctaattct tcacaacaaa agaaatgagc tgaatttatc agctgttgta 300
 tttcatgctt ggagaagtgt ttgccaacgg gggcgatagt gtgattttag caacgcgctg 360
 gtgtcactct ggtggtgttt gctttgcctt tgcttttgcc gctgcttttg ctctgcgctg 420

tgggctgtgc tgccgcattg ctgctaatacg cggctttcca cttttaaact caaaataata 480
aaagcaccaa gctggcaccg acgtttcagt ttgagtcagc catgatg 527

<210> 525
<211> 91
<212> DNA
<213> *Drosophila melanogaster*

<400> 525
cgctggcgta atgaaaacaa ctcccgcgct ttttcgcgcc cgcaagagag cgacagtgaa 60
agagagatgc taaatttagt tcaatgaatt c 91

<210> 526
<211> 417
<212> DNA
<213> *Drosophila melanogaster*

<400> 526
acctcgactg aattcacttg ggtgatttgc ggcagctcct gcacgatata cacatttaag 60
gatgatggaa aaatgctcct tcaccttttc attttctgcy cttagaagtt cgtcttggca 120
tatagcaaac aaaaagaaaa aaataacgca aaaagcaaaa aggtcctgtg gatggggcag 180
gcaggcggct tgtgaccaca tgacaaagat tttagatgct gggcttatat ttgcgtgatt 240
ctcttttaat atatggaatt taataggaat taaaattggg attcacttaa ataaaaattaa 300
gtgctattta ttgaaacaag ttaagtggc tgttaattgg tacaattggg gaattaaaaa 360
cactcttcac tagcctattg gtatcattcc cctaategct accaatcatc ctatggt 417

<210> 527
<211> 578
<212> DNA
<213> *Drosophila melanogaster*

<400> 527
aattctttcc tctcccttgc cgatgctctt ctcttctct cctccttttt ctctgctgct 60
cttcgcgttc gtcactcgct ttttgtgtgg gaactgcaa cttttttgta atacctaca 120
gtggagtatt gtgaggttgg ttgtaggttt gtgatttcgt ggatgtgatc gttttgattt 180
tattttctta aaatactctt ttttatataa ataattgaat ttctagttcg agtttttttc 240
gacataataa agagcttaca aggccaaatt gcaagtgtat tttacgtatg ttttggcatt 300
tcctcgatct attttcgctt ttctgatcat tttgatgttg gcattaaatg cgccaataaa 360
caaattcagt gagaagtaaa caaactagtc tcgaacgcat tcgaataaca acttttcctt 420
atcaactagc attgatcttt gcacttgaac aaaacgccga aagcgacgtt gagcggcatg 480
caaaagttaa attgacaggc ccccgagcc cctaaaatat tttttttaa ctagaactga 540

gccccgcgcc ccattgcatt atctattaca aaaaaaaa

578

<210> 528

<211> 169

<212> DNA

<213> *Drosophila melanogaster*

<400> 528

gtctaggctg ttgctgtctg ccagtgtggg tgtagtgtgc gaaaggccct ctctagaatc 60

gttggattcg aaacaagacg accatgatgc atacacaaga ctcaaagacg gagttttttt 120

tttcaatttg gcaaggcaac tgcaatagtc tattccttga caagtgaac 169

<210> 529

<211> 348

<212> DNA

<213> *Drosophila melanogaster*

<400> 529

gagtaaacac tactcaatgc agaacagaga ctgggcacat tgaatctatc ggcaggcagt 60

actgccagac cgctatcacc aaatttactt aaaaagaaga taaaatttg gacattttctc 120

tgcagacatt tttaagatag ttttaagtcc ccattttatt atacagcaac atggcacaat 180

ttgtattaat atttgtttta ctatcgccgt cttaacagca ctgaaatttt ccagtgtgaa 240

aactactgat attattaatg cttctagttc tatcgatata atagcgaata caccacctt 300

aacatatagc gagtgcacaa tctgttagcg ttgcccacac tattttaag 348

<210> 530

<211> 463

<212> DNA

<213> *Drosophila melanogaster*

<400> 530

gttcgagagc gtgtgcggtt tgtcttttct cttgagcatt ccactgcaca cgttttccac 60

catcttttca caaagtttcc atttattgca cctcgcagcg aacgagggta tattgttttg 120

acggaactaa gcagatttaa ccacaagtat caattagggg gaggtttact aatgattttt 180

tttttttgaa ttgtgtcaag gattttaaag cgagaattat taattcaaaa acatcatttg 240

gaaatttgtg agaaacattt tggcacaaaa ttgaaagtat tcataacata agtgtgatta 300

gtaaatttat tgaactaata attaaaacat acatatgtat atactatacg ggcataacag 360

tgaaaagggt atccattcat tatttaccat cgggtgctctc ctgattgcta agtatattat 420

agtcgggatc gtgccccttc ctacttggtc attgtttcct ttt 463

<210> 531

<211> 150

<212> DNA
 <213> *Drosophila melanogaster*

<400> 531
 tacaacccat tgatcttcag tcgctttcaa gtggggtaaa caacggagca cgcctcatca 60
 acagcagcaa catcagcgcc aacgattggt acacagcgcg aaaatcgggg gtgccttcaa 120
 agcaattcgt ttcatcaggg aggtgaattc 150

<210> 532
 <211> 439
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 532
 ttcagaactt ttttctatgc cttcatcatg gtataaaaatt ttcaacgcca aaacaacaaa 60
 atggctgata cttcacagt gctggtcacg ctataataaa atactggaat ataaaacgga 120
 actatgatat ttccactgcg tcatttgata ttcgatgtat tgtgattcaa agcttgatc 180
 aattgcctgt tcaattatgt atgttatatt ttttagtagg aggggtaaat ataataaaga 240
 aattaacatc tatattctat acatccttct ggtactttta cattctatct tttatgatgt 300
 aattgtgcct catttcctac tcaaattttc tcttaagcta caagggtatt gtaatgaaca 360
 gaaaagctca aacattcttt cgttaaaaaa taaattacag gcctcataat ttaataccga 420
 caattaatat ttattttaa 439

<210> 533
 <211> 521
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 533
 gccctgtcta tctctttccc ttgcccactc tcttggctct tcattgcata aatcacggt 60
 acatttcctt gttataacac aaagagaaaa gaggcacagc cttgtgctac tagtggaat 120
 gtacccatca aacacacgaa aatattattg ttactgtgta acgctttaaa attaatttat 180
 ttttatttgc aaacataagt cgcaataaaa tctgtttaga aattaactta aattttaata 240
 ataataaaaa ttggaatgaa taatatacta aagtaaggag tgcctaacaa attagcaaag 300
 aaaataaaaa atttaaagt agcctaaata taaaaccat cggcacagtt agtacgctgc 360
 aaaagtaatt tagcaacaac attcagatgc aaccagttcg ggtttcttgg cttcctcgt 420
 ccattttcac gtgccttttg tttttgtgcg ataaatcaca aagttttctg aaaacgaaac 480
 cactgatagc gccacaaagt cccccaacaa caaaccacca c 521

<210> 534
 <211> 511

<212> DNA
<213> *Drosophila melanogaster*

<400> 534
cgaggcgcgt cttatttcgg ctcttttctc cctgcgttct tcttcttctt tttgtgacta 60
atcgcatgtg cgcggggtgg tccattatth gatttccgcc aacacctctg cctaccgaca 120
cctatggtac cctctaata gaatttagggc caattggctg aactagccga tccgctccgt 180
tcgctcgtcc ataaatcact gcgaactgcg gactgtcgcc gtcgccgtcg acgtcgcaca 240
actatgacta atccccgctg gcacgcggcg gtggctccaa ctacaataac agtatgtaaa 300
acagccacag ccgcagcagc agcgccgcac acaacaagaa acaacatcgg cgggggatgg 360
aagacaacaa caagtgcgat cggaagacgg cagcttttca ggagcaaaac atacagggtca 420
agatatgcag actaatccca tcctaattgg aaacacacac tattttattcg ggtttttttt 480
attaatacca agctgaattg ttacatttaa c 511

<210> 535
<211> 461
<212> DNA
<213> *Drosophila melanogaster*

<400> 535
attcgtatcg ttggcagcaa agtggaaaca aatggaaagg aatgcgcctg gcagcgattt 60
gaaaaacatg gcgtttatct gctcctgccc atgtctatgt gtgtcgcacg gcctgggtgtg 120
tgtgcgtgtg tgcgcgggag gcagtgaag cggtgaagac gcccgcgcg gagagggaga 180
gcgcttgggt gagaggagaa tgtctggcat ggagagttag agagcgtagc gtggttggga 240
aaaactgcaa cccttaacgg agttgggcca aacttgaccc caagctgaga gagagagagt 300
gagttagaga gtgagtgggg gtgggaaaat agatgggtgt gagaggctta cacttaaaaa 360
gagaggacgt aatgagttag ctatttaagt ttatgcgaat aataagatat taccaaaaac 420
agttatatag gggcaatatt ttaaccatag tcctagtttt t 461

<210> 536
<211> 383
<212> DNA
<213> *Drosophila melanogaster*

<400> 536
aacaggccca cgcaccacca catcgataca tagcccgcgc cgcgtttgta tgtgtgagcg 60
agagagcgca caaacgggtt tctcccctta atttttactc gcaccttcgc tgggtgtcgt 120
gcgctctctt tgctcttttt gagagcggcc aagtatctgt gcgctgggtg gcgtgcgaaa 180
agtatctgtg tgcgctggaa aaagtagcaa acgaggcggc acgacgacaa cacgaacggc 240
aacaacggca ataataatta tcattataag tgggctggcg ctccggctgt gtgtggcact 300

caggggattg ggattggaat cggcatcgga atcgggtatgc tacggtagat acccctcaac 360
 cccctaccg aaacgttacc acc 383

<210> 537
 <211> 544
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 537
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 gcttttcgat ccgattcaaa ctcatcttcg ttcgcttaaa atgcaaataat cgtggataat 120
 tgagccgctt actttctggt ggctgctgca ctttgacggc gggttatatc gtgggttata 180
 taatgacaat tagaccaca gtgacagcac acgtcaacgc ttatgaaaat gtgagagcta 240
 gctgcagggt actgagcaga tgggagcggg gctgaaactc atataaaaat aaatagtaaa 300
 tatatatata ttggttctct actgctgtac atttctccat aagtgagttg ctttcaatac 360
 tgggaaatat acatacatat atgtaatcgc tttgtaatac aagaaccctt ttaatgctat 420
 gaggtactgt atcggtaaaa tttttgctaa ggaaataaaa ttacttggaa ataacttgaa 480
 atgttttccc tatgtttaaa actttagttt tggtttgaag tatgttctta aaatttatgt 540
 tcca 544

<210> 538
 <211> 530
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 538
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 aaaacactca attgcgctga gtactcaacg ctacagctggg ttttcgtgga gtacaactcg 120
 tctaaccggt gtgacaagtg tcaatgtctc attggaattg aaattgtttg ctccgctttg 180
 acgctcagcg gaaccgacag gcgggaaacg gcggggaggc acatagtgcg cacagtgggc 240
 ccaaatcggc aaggtgccag ctgtgggtgt gaacctgctg ggacggggag ttattgtcca 300
 aagatcaagg ttgttttggc gtgacaaata tttgagggtg ggactaattt gatttgtatt 360
 taaagccacg acaccgaaa tcgtataaga taactgcaga ggtccttcct tagatttttt 420
 gtccgtatcg aattgggtatt tgaatttatt tcctatttca tactatatac attttaaaca 480
 ttatttatatt ataataataa taatatttaa ttctaattta taattaaaca 530

<210> 539
 <211> 507
 <212> DNA

<213> Drosophila melanogaster

<400> 539

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ggaaagtata accttcgtgt caagcaaggg tctcgttgtc catgtcccaa gaaaccgaat      60
ctcgggttatg gatgataaat aagttgcact aatatattca aaaggcatca taactattgt      120
agtttcgagc taaaaactag aaattacact gttaaattta aaacttacta ccaccagtt      180
agtcggaact attaaaaagc ctttttcgaa agtcgtataa tgtataacat ttcttcccat      240
cccatgaccc tatgcaaaaag ctacaccctt taggcaatat ctttacgaca tcaccttata      300
cgccgaacta cctaggaaaa gcgctataat gccgttccca ttcactgggc gtaacaccta      360
gaacaacaaa gggggtcaca aggcgtaaat ttagttttaa ctatcccata tttcaatttg      420
gctttcacaa tcttatcgcg gccacgggtg taatctgata aaatcccagc cccagcaaaa      480
tagtaccgca aaatcacttg ccctaac                                          507
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<210> 540

<211> 577

<212> DNA

<213> Drosophila melanogaster

<220>

<221> misc_feature

<222> (1)..(577)

<223> n = ambiguous/unknown nucleotide

<400> 540

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tgagggcgcg tgtgtttgcg ttttttagcat tccagaattt tcgcctttgt ccatgcgggt      120
tcttctcttt tttgcgcact ttgcagaaaa aggtggcagc tgctcggtcg ccatttataa      180
ttctcatcga tccagcattg atcttgccat tttcatgaat cggttggcat tagtcaccgt      240
tcgtgattcg ccgatttttg caagccgttt tagataaaca tgcggcataa atggcacaat      300
gaaaacgaaa tgctcgctga aaaaggcgaa ataatatggc gttttcacta ggaaaccgga      360
aatgtgtcta ctttttccct tgggttgta tgggaaagta ttcagcaacc cccaagtaca      420
caagcaaaat gaaacattca atatnnnnna tgtttcaaag gttttctata ttttatattt      480
ctatacactt accatctcag caaacgggta attttccatc tacacgaata acacaacatt      540
tgttccattt tctcagtatt acttctcttc tggcaat                                          577
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<210> 541

<211> 513

<212> DNA

<213> Drosophila melanogaster

<400> 541

ggccccatat acataaattg cttatgcaaa aaataaccat tttgctgagc gccaaagtcag 60
 gagaggaaag cgttctcttt cttcgattcc ccacctctct ctcgctctct actaccgctc 120
 tgttgatacc attttcttta aggttattgc agtgcaatgt cctcaattgt cggtcgcctt 180
 ggtgttttgc ttttctcggt gccttttttcg ggagctcaga tgctgtcgca atgtcccttg 240
 cgctcgttct tttcccgctc ctttctgctc ctctatgtgc ctctcttttcg gcagcagttg 300
 cccttcgctg gcacaaaatg tgaaatgtga aaggtatttc cgttttattg tcgtggctcc 360
 gattccggag ttcaatattg gtttattttg ttgacttctg atttgtcatc atttgtggtt 420
 tatttgccag tgtgggaaca cattaaatat ggtagctgg aaatcaaagg ttatctggat 480
 tactttccac acacaaatgc cttaattatg ttg 513

<210> 542
 <211> 302
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 542
 atatagggga tccataaaag aacggcgcg ggcaaggggc ggctcatcaa ttaacgacct 60
 tttttttttt tgggcagtca aattgaggaa acattaaaag tcgcgccaca tcaggcactt 120
 tttgttcggc aaagctttgt ttcggacacg ctgagtattt ccatcgcaac gggtgaccac 180
 tgtggcagac cccccacaa aattcgtaac cgcaaccaa tctgcaaaac catttgcaaa 240
 ttaaagcgca taacgatgtg tgggcagata gaagagaaat gtaggataaa tgggtgaagg 300
 tg 302

<210> 543
 <211> 611
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 543
 caccggagcg tcgagcgggg ccaaggacag agaggcagca ttcttggcct ttaaaaatcg 60
 tttgaaggaa caaggacggc aatcatatga aaaccggaaa gctttcagct gaaagcactc 120
 acatgcacgc acaccgcgt ttagcgcacc gctcgtgcgg cgagcttttg agagcgacat 180
 ctgccggaac ctatcgccaa gttatcgata gatcgtaa tcaaaaactgt ggcgggtttgt 240
 caatgaaata ttacataaat tttaataagc aataaaaaat acaatgagat tatctagttc 300
 aaagaattgc aaatttaaaa ggaaaagaag aaagacgaat ttaaatattc acaagatata 360
 attatacttt ttcaaaagaa tgggcctcta agttatattt aagttactta tctaagacct 420
 tacctgttcc agttcatcta ttattatata taaataacct ttttaaacca attttgaaga 480
 atcgtcta ataaaagcttg attcgatatt tgttttccaa tgccaggaag attgttaa 540

tttgaagttg aaaccgcact ttttaattgt caaattcaca ttgcattatt tggttttcat 600
 attagttttt t 611

<210> 544
 <211> 82
 <212> DNA
 <213> Drosophila melanogaster

<400> 544
 tggcttaatg aaaacacctc ccttgctttt tctcgccgc aagaaagcga cagtgaaaaa 60
 tatatgctaa ttttattcca at 82

<210> 545
 <211> 858
 <212> DNA
 <213> Drosophila melanogaster

<400> 545
 aagatttacc tgcttcaact tttctctttc gtcgtcttta aacataaaat ttaaaaagag 60
 aaaattaataa ttttaagcag tttgattttc tctctttctt ttcactcaat ttttgaatta 120
 tgttgctctt ccttctctca atatcgtttc cttgagcgtt tcttgagggtg tgacgtcacg 180
 gatgcaagg ggaggcactt cgggtgtttc gtgcttcgtc tttgttcgtc tttgcccga 240
 atttggcctt tgctgtggtc ttctgtcttc tttgagtttc ttcattggta tgggttatct 300
 tgtggtggtg gtgctggcga ctgcgatggt gtatgtgtgc catcaagact tccccattcg 360
 tcgtcaacag ctgtgtcgtc atcgtgtcat cgggtgtgga gtagccgatg gccatatctg 420
 tctgagctgt ccgagtggta ttggtgcacc aataagaatc ggccagtggg tccagtgcctt 480
 cttgaataac agcccatcc cccgcgacca tctcaacgca atccgttgga gcgctctggt 540
 ttggtaggga atgattaaaa agtcaccaca acaaataaca ataataataa taaaatgcat 600
 ttcttttggc ccgcaaaaat ttctttcatt tgggcatcgc tttggcccggt ctgaaaggaa 660
 aaattataat gaccaagtag gcgacaagaa ggattggatg ggtgggtggt ggggtggtccg 720
 atgtagacgt agacgatgat tatataacag ttttctgtga ttctcctcat tccgatcgaa 780
 tcccttcttg aagcaggctt aattaaaaac ttttggcatt cacttggaca aaattaccta 840
 cttaagaca ttccttca 858

<210> 546
 <211> 277
 <212> DNA
 <213> Drosophila melanogaster

<400> 546
 gcatatttcc cctttcccag ctcgacatgc ctcatttggc ctcggaatgg aagaagctaa 60

atgaaccaac cctttcatat taaaattagt ttttctccc ctgccaaagc cgattattgg 120
gaagcgaaaa gagttcgatc cgagaccaa aaaatgaatg ctgacaactt agtatttggg 180
gaatctggaa atgggatctg tttgattccc cgtttggtgt attccaagcc cgtttatgac 240
ccctgccttc cttcatggaa tctatttcaa ataattt 277

<210> 547
<211> 370
<212> DNA
<213> *Drosophila melanogaster*

<400> 547
ggcgtttttg aaaattgaaa aaatagagag ctttagtagg tggcaaaaaa gcgataatca 60
aactgggact tttcgttcaa caattgggta aaagcttaaa cttagcaaag tatttcgaaa 120
agttaaattt ttgcttagac tttgctctta aatttctttt aacaaaattg gtaaacacat 180
tgaggacatc tgaaaataat aattaaacaa attgcaactt ttttcaacaa agttcgaaat 240
actttcttga aaatagctaa aaacattggg ctatccgatt atttctgcct ctccaaagcg 300
gtaaaccatc gttaggcgtc catcactatt cacagatggg cgggatattt aattttgaac 360
gcatgattat 370

<210> 548
<211> 539
<212> DNA
<213> *Drosophila melanogaster*

<400> 548
gacgtgcctg tacccatcac acacctacaa acgtatacgt catacacaca cacacacgca 60
cacatgaaga ggagacaga caagcaactc tgggctcccc cctccctaaa cctctcccct 120
cccagccaca tactgccgca cttgcaacgg gaatgttggt ggtattgctc gcaactgctca 180
aaactccgaa gaggattaca aatgggtgtt ttgtttttgc caaaaaacgg aaatacagac 240
aaacttctgc cacataaaga gttcaaatta cagcgaccgt tagttgttta gtcacttggt 300
gtattccccg caactttttg cgcacttttg gggtatctaa actgattaca aacccttaaa 360
agcagcaggc acaattgaaa ttattgattg ccttaaagtt aaagttaatt gcggttatga 420
aatttttggc taattgttcg tcattgggca aaaatgaaat gctgaggaat ttgctttata 480
aaaacactta aatttatagt tattagccac tgaatttgta ttgcagtcgt taagaattc 539

<210> 549
<211> 449
<212> DNA
<213> *Drosophila melanogaster*

<400> 549
 tgtttccagt gtgaccgtgc tatttgga aa tccaagcatg ttgcttggt a cactgaacca 60
 catggtaaaaa aataaaataa tttataataa atgtttttaa tataataaca aatattttga 120
 gttaatactt tacatttata tttaatcaag gtaagctaag atatttgaga tttatttagt 180
 ttttaccaag ctgcaaatta tattacacct tatacttttt tttaatgacc agtgaattt 240
 cacttggcac gttttaaagt attttgtacc gttacggata cggtcattt ataaacaata 300
 aaatctcgat ggactcattt agccgtacaa aatataaaca aattaatacc aaaaagacat 360
 aatagtcgct tttgaagtat atcaaacttt tatcaaacca tgagctgcaa ctacgcggat 420
 ggattgtcag cctacgacaa caagggaat 449

<210> 550
 <211> 85
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 550
 gactggcgta attaaaacgg ctcccgcgct tattcgcgcc cgaaagagag cgacaggtag 60
 agagaaatgc aaaatctagt tcgga 85

<210> 551
 <211> 485
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 551
 agtgggacca ggcgcgacta tcgcttgatt ccgatggcac gaaatgggtca aactttttct 60
 cgagcaacga atatcacatg acggacatgt cccatgcagc agtgggacca tgcgcgacta 120
 tcgcttgatt ccgatggcac gaaatgggtca ccttggaccg ccttccctgg cttatttttc 180
 ccttataaat ttgtgtatgc ctatcacaat tataacacgt ataataattat aaatagtgtt 240
 atctatgttc cattaaattt tccgatacat aatattaaag ctatttttta attaaaaaaa 300
 ggattttttt aatattgaac aaactaacta atttaactaa ttgtacgcat tgtgaccata 360
 ccgacattga gtaacttgat tgacttaaat ttattttctag gttgtcaaga acattatttt 420
 taatcaataa ggtattttcta aacaattatc tgcaccttga aacaccctac atttttcggt 480
 ttggc 485

<210> 552
 <211> 314
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 552
 gtcgcgtgtt tgctggtgtg tgtgtgcaag cttacaagct gcagctgcca gctgctccaa 60

agagagagag agagcacgag agcgaggctc tcccagagca aaaacttggt ttcaacggcg 120
ctttgaagag gaggcataaat atgcgcaaaa aagcacagaa taagaagcag gcaaaatgaa 180
ttaatagaca atcaagccaa acgatgcgtc tgaattaata aaagaaatac cataaaaaag 240
ggaaagagaa agagggagaa aaacccttga gttgaaggaa gggtataaag gttggaagcc 300
gcgggcaggg gggc 314

<210> 553
<211> 515
<212> DNA
<213> *Drosophila melanogaster*

<400> 553
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actgagatac gtcattgcgc agaattttca tgaatgaatc gcgaccggca cttttgttaa 120
agcgaatcgc gagctgaaaa ggaactgggg aataggccgc aaaatgcaat aatatatatg 180
ctcggcattt ataaataaat ataaaaatta agtaacacca agggtagtga actgttacga 240
aacgttgccc aacactgggc ctattggagc aatattttaa aattcacttc gttcaattag 300
aaatttaaag ttacgaaaat tacatgctaa ttcacataga aacttggaag gaaattatta 360
caattaaatt ttctaacgaa tttgatttaa tcgagtaaga aaagtaaata gtttaagcca 420
tctgtttaga atatacctgt aaaggatatt actattgttt gctatattat gggttctaaa 480
aataccgatt ttaagaaagg tatctggctg gttcc 515

<210> 554
<211> 357
<212> DNA
<213> *Drosophila melanogaster*

<400> 554
gtctgttcta ttgtgcggaa atcgagtgc tgagagggga agtccacaga aaccgcaagc 60
aaaagcaaca agcgtgtggg aaggggaaat cgaaagggga agtaaagagt atgtgtgggt 120
gtgtgtgtgt gcgtgaaata tggaaattga aaatgcaatt aatcgtgaat taatggcaag 180
ccatagaaat cgctcaatgg cttaaagtgc aagagaaaag tgagcttttt gttattgttg 240
tcaacgcgga aagacaaaac cgagaatctg tgggtggaagt tttaaatacg tggtatttat 300
tttcgttttc gcaacaacaa taagccatca agcgaagtgc tgaaatagtc aatttac 357

<210> 555
<211> 619
<212> DNA
<213> *Drosophila melanogaster*

<400> 555
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 attaccagtc aagtgtcaag agttcaacaa ccggcgcggc tctgaaaact agtttttgca 120
 tgattcgcac actccaaatc ggcatcatct aattaccata tcccgagttt gtttacaatc 180
 ggctgccaga tgtgcggtgcg gtgcggtttgg agcttcaaga tgttctggac gtccggggta 240
 ctaggctcgg gcagccggca ctagctctca ggccagctgc tcaaacattc tgcagctatt 300
 tggccgccag cgagtagaac gatattgcc aatattttat aatagtaacc aatacgttac 360
 cagtatgacc gcgccgataa cgatagaaaa taccacacgg tctaaaagta aataccattt 420
 ggggtattcc ctaatctttt gaattattta ccggttaggtt tcggtcgttt ttttttgtca 480
 gctgttcttt gtatgaaacg gattagtaat tttatttggt gtttttgtgc atttttgcat 540
 attaaaagcc ttgaaacatg ccttaaatec gttaaaatag attataagaa ggaatggact 600
 gtttggttaa acccattgg 619

<210> 556
 <211> 295
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 556
 ctccagccaa tcaacagttt gccaggcctt tccgccgtgg tgagtttcgt tgctctccct 60
 ctcaactcgg gcaagcagcg ctttttcgac ttcgactctc tccggtctcg cttgaggtaa 120
 aaataatata acaggtaccc cccctatacc aagaccattt gtgtataagt atgtgtatgt 180
 gtattcagta tctctcggta tccatcgatt cgtgcgcttg tgtgagactt ttagcggctg 240
 gcaaatgtca tgatttcccg aaatacgtca tcagtgtgcg cgaaaaaccg tgcgg 295

<210> 557
 <211> 203
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 557
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 gcctctggaa cgccgtcgcg gaggccaccg gaatggatgg tgagtgcact gagcgaaatc 120
 gggatcaata ttcgggtcaa cacaaaaatc caattggaac taattaaaat tataatattt 180
 ttagattatt taaaaaattg tta 203

<210> 558
 <211> 202
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 558
catccgacat gggttttattt atttgtttat tattttgcag attttggcgc aaattttggg 60
aatcgttggg aatgtcactc cagtaataca ctgcagcttt ttcactactg ttccacttgt 120
ttttactccc tgtgaatggc acgtctaacc gttgtcgata tcgcaaaagc atgctatggc 180
agccgcacaa ccaactgaat tc 202

<210> 559
<211> 311
<212> DNA
<213> *Drosophila melanogaster*

<400> 559
caccaaacgc aagttcgccg acgattagtg gtgggctaag atcgatgtat tcaccatcgt 60
cgtcatctat gggttttttct ttgctttata ccgactttgc cctgcgtata ccccttttta 120
acagcgaagt gaactggaag gaaattaaaa atatattgtg ctgtgtgtta tactaacagt 180
aactactaat tgctaccgtt ttaaattata cactaaaaaa ttgttttgtt tttttgggat 240
tgagttttca atttcctagg ttgaaaagg aaatatataa tcaaaattgt atttggatct 300
aatttaataa a 311

<210> 560
<211> 511
<212> DNA
<213> *Drosophila melanogaster*

<400> 560
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aaaccagtcg cgtgtttatt aataaccaa atatgcacac aaccgcccac gaaattggtc 120
aaaataacaa acagtgaaat aaaagatata ggaacttcag gttgattgga tattaattcg 180
gtttaagttt gataaagtaa tgataaaatg cagttaaatt gttatatctg tgttaaacad 240
tgttataagt tacttccgca tgattaaggc gcgtttgctc caaacatata tccagcacia 300
agcatttgtg ctagtttaag tttaaagaag caatctgaaa gacgttgaca ttaaacctgt 360
ttgaaaacgt gcatctatta ttatatgttt ttagaccaga aagtttaaat aaatttgggt 420
aattaaacat acttgcaaaa catttaagtt ttgctccact tttttatagt ctttttatgg 480
cattaaaatt tcctactttt aatttcgaat t 511

<210> 561
<211> 354
<212> DNA
<213> *Drosophila melanogaster*

<400> 561
gccgcgcctg cttggccgcg tttgttgcgc gttcactttt ggccgctgcc gttgtcttga 60

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|-----|
| gaggctctct | ttttttgttc | ggctgcttgc | gttttcctgc | ggtttttcgc | caagtgttta | 120 |
| tgaagatgat | gatgatgcaa | ggattcgaca | tccaatcatt | tgcataatgta | tacacacacg | 180 |
| cactcactcg | cacacacact | cacacagcct | ccaaagtgca | tcgtcgagag | gagagaaaact | 240 |
| gaatttttca | ctcgccctcc | ggcgaaagtc | cggcggcaga | tttggtgttg | ggccaagaag | 300 |
| actccaatat | atattttgcg | gggcgctttg | gtttttgggg | cttttcttaa | ccca | 354 |

<210> 562
 <211> 505
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|-----|
| 400> | 562 | | | | | |
| gccctgtctt | tgtagacttt | gaatggggtt | ttgaaaaaga | tgctcgagcac | aacagctttt | 60 |
| aattgccaaa | gtaatatata | gaatattaca | actgactatt | tggcctccga | gtaactttta | 120 |
| ttcacaaaatt | tatcggtttg | ttcgttagag | tgaataattt | aaaaaaatat | ataatctttc | 180 |
| agcgcggaac | gttattaaat | aaacaattta | ccttaaaaga | cctcaacaag | gtgaagtgtg | 240 |
| aagtataaaa | tattaaaact | ataaattttg | cagaatctat | ataattgacg | atgcgcaagc | 300 |
| aaatacactt | caaataatag | agatttatat | ttttatgcaa | aaatatattat | gctaaaaccc | 360 |
| actatatcac | aatattaaaa | attagagata | tactgatttt | tatttcgagc | taaatcatca | 420 |
| taaataacaa | ttaaatatgc | atattttatt | ataagcttgg | gtcatagtgc | ttgaatttac | 480 |
| tgtcaacttt | tttcgaatgc | taatt | | | | 505 |

<210> 563
 <211> 406
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|-----|
| <400> | 563 | | | | | |
| tcgggggggtt | tttttagttg | cagcaagttg | gcgatcgcaa | cggttcaccc | taaaatttcc | 60 |
| gcgctcagtt | gaaaatctct | ccaaggagtt | gcgaaaaaaa | aaactttgaa | aacattgttt | 120 |
| tggaatgtcc | acttggctgg | cttttgtgtg | ttgaaataaa | ataatagtta | tctgcgaata | 180 |
| aaatattaaa | aactaaatac | tttctaaaac | gtttaaacaa | ctagttaaaa | gtgcctgtat | 240 |
| aaaatggaaa | ctacaattgt | tactacaaca | actacaaccg | agttgaaatg | cactatgcgc | 300 |
| ggcagtaaaa | agaaagatgt | taagctgcgt | tccaaactct | aaaaatctga | cgttttcaat | 360 |
| tcagttagaa | caaacaattg | gctaaaactac | tccatggcca | attaat | | 406 |

<210> 564
 <211> 368

<212> DNA
 <213> *Drosophila melanogaster*

 <400> 564
 agccaaacag tcaacggcca ccgaatgcc taaaatacat gctgcacacc cgtgggcaaa 60
 caattaggat aggctattac aatttataaa aattataaaa ccgttaaagtg ttttaagtgc 120
 ttaaagtaaa tgtctataat aatgcttaga ttatttttta ccattctat tgttggaact 180
 aattgataat actttgaaaa atcaaaatth aagatgagta ataagtagta agtagtttag 240
 cgatagaaga ttaattttta gaaaaataaa taccttacct taatccattg cttattccca 300
 atctattgac ccaggtggt ttagcactca ctcacacaca cacgttcaca aaaaatgggc 360
 agaaggggt 368 ,

 <210> 565
 <211> 278
 <212> DNA
 <213> *Drosophila melanogaster*

 <400> 565
 gtccgaacga tccgagagat gaaaaagtaa aaaagtgttt gttttgtttt ccttcttagc 60
 gatggcacgc gcatcgatgt tggctcgata ctttcgctgg cgcttgggat tatatacttg 120
 cgctgttttt tctcttcggc gctggtacgg tcataccgcg aattgtactc tctgagattc 180
 gagttcgaaa gtacgttttag catatgcagc aaccaactaa gagataaaat tcgaaatcaa 240
 gtttttggcg gggtttattg atatagaaaa tagacttc 278

 <210> 566
 <211> 290
 <212> DNA
 <213> *Drosophila melanogaster*

 <400> 566
 ggccagggtat cggggctggt cggaagtcca ctccatgtaa tatttactcg ctggcagtgt 60
 gcgattgcta ttgcgacggt agccacactt gaaccttgcc tgcgccgctg acatcagaca 120
 aaaaaaaca aggttcgggt tcagatttgg gtcttggggt cgggatctcc ggatctgaat 180
 cgagtcgcat cattcccgtt gtccgggaat agccaagagc caatcaggcc atttgccatc 240
 ttcgtgcact gcacttgacg ctccggcgcg gaaagtthtc cgcactgcac 290

 <210> 567
 <211> 739
 <212> DNA
 <213> *Drosophila melanogaster*

 <400> 567
 gtctggctgt tgttcttttc gtggtgaacg aattttcggg ctccagatata ggggtggttcc 60

ggccccgtcc ctcttaactc tatttttggg ctaactgttc ttatcgctga ccaaattcat 120
 tcaccttttcg aattgtgtgt tatctcccg c ttgacagcac acacacacac tcgagcatta 180
 gcataaaaca cacacacggt cagcagtcgc tctcccat t acataaggcc aaaaaggagg 240
 aaagaaatct tttgaaaatt gagcgattcg gttggccttc tagctttctg ctttctcagc 300
 gacaaaaaaa gaacagaaaa acaaaaaccg gctttaagtc cggcaaagaa gccacatcgt 360
 ttagctagcg gtgttctaaa ttcgattaat tatgattttt acgccacggc catcaataag 420
 tggtttaatt ctctaatgc ctttccagct tttttgcccg atggctctgc cttgttctta 480
 attcaattct aattagacaa ttgagtgcgc gggctccttt aagcgtgtgt gtgtgtgtgt 540
 gtgtgtgtgt gtgtgtgtgt gtgtgtatgc atgtgcgc atgacgtcat tgctgagggg 600
 gcataacttt gagaacagtt caaactccat agcacgacct tccctttatt ctctgtgtga 660
 agactgttaa ataaaacttc tttattatgc tcgaagtctg ccttgagcaa gcttcactgt 720
 atttttccgt tccgaattc 739

<210> 568
 <211> 766
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 568
 atacaaagca aaccaaacca aaaacccgaa aaaaacgaaa gtgcgtgcga tgaatgagca 60
 aaattgcgca aacgatcgtg aatgcttcac actgttcatt gtttcggttg tttttttttt 120
 ttttttgggt cttctcttca agtgggtatt caactttagg taacaccgta attagattaa 180
 atattttgta caaccgatta ctaattttta attcgtcctt gcttagtaga tatccatgat 240
 cacatgaact cttcacattg aaaaataaaa aggttttacg aagtttaatt acgaacatta 300
 taaatgtaat atgatataat gtcgattatt aatgctaata ccgttgtaag tcaattactt 360
 aacttttagta accaatttaa ggtcgaaata tggaaaaaat atttatacct ttaattgaaa 420
 aaacattatt aggggtagtt caagactcga cctttaagcg tttttgtgta gttttgtctt 480
 gtgctcgccc tttacgcatt ggaaaaaagc tgccaaaaat atcaacagaa gcctgagaaa 540
 gagacgggaa caacaggagt gcgagagaga gggagtgaat ggggagtctg aaagcaaaat 600
 acaatgtgcg tgagcttttt tttttggttt cgtttttgtg tcgttttcag cgttttttgt 660
 tgggttaggt tcaatactga atagttttcg tctttttttt cgggtggata aagtgggttg 720
 attaaggggg atgtgggagg gcatgggtgg aagctttggt gcgtgt 766

<210> 569
 <211> 700
 <212> DNA

<213> Drosophila melanogaster

<400> 569

| | |
|---|-----|
| ccctgttcca ggtgttatgc tgtacaaggt aataggagtc gtgtcaactt acaattgttt | 60 |
| acagtctgat ttcttatagc ttgatatttt atgatcttaa gaaccagttg aagaaagtac | 120 |
| gacgttcgac gaataaatcg taataaatat tttgtgaaaa aagtttcttg gttatagagt | 180 |
| tagacatagt cttatctcta aaaatgcatt attttccagg ttccagtttt taactttcta | 240 |
| ataattcttt accattaccg aaagttgaga cccaatttgg cttactcgct tttatagtcg | 300 |
| acatacccga ctaaaggagg gtaccaaag cctgcgagta gagaaccaca acatgactct | 360 |
| gtcacgtttt tcatttgctg actgaacgga gagtaagaga acgctctctt agggtgagag | 420 |
| cgaaagggga gcttgagcgc cacacaagag tcggcatacg ttgcgacgct gactgcggca | 480 |
| gcgacgcccc cgcatggtgg gcatttggac tctctttgga gccattctc ccgctctctc | 540 |
| tctcttgctc tcagactaag tgtcagacct ccacgtgtgc atagtggttg ttgctccact | 600 |
| gttggtgttg ctacaatatt tctgtttgca cttgtcggtt ttgtttttgt tgtttatccc | 660 |
| attctatcac tctctggcat tctctagaag cagcggtcag | 700 |

<210> 570

<211> 484

<212> DNA

<213> Drosophila melanogaster

<400> 570

| | |
|--|-----|
| atgtggccca tgaaattggt acgcaaaatc actgtttgat tttcgggggc cgctggacgc | 60 |
| actaatccga ttgtgcagtt aaccgggagg gattaatcca atgaaaataa aacacttttc | 120 |
| tttcgtaaag gcagcacact ccgcacaaac aacatgcgaa catatacaga cagactgcaa | 180 |
| ttaaacaggg ttgccatgcc gtttgaaacg cgacacagcag cagaaacaca gtttgacat | 240 |
| tactttgatg tttattgttt gttatttttc cgcttatccg catataattc acttgcttgg | 300 |
| cccttttcaa tatttttcaa ttgtacagcc aatatatttt ttatgatttg ccctggaggc | 360 |
| ggcaactctg ttcggggata cgggcacata catagaaacc agcgagttgg ccaaatacaca | 420 |
| cacacacact cactcacag cgcgacgcgc aaaagaaaaa ttatactgtg ttcctatacc | 480 |
| aaaa | 484 |

<210> 571

<211> 497

<212> DNA

<213> Drosophila melanogaster

<400> 571

| | |
|---|----|
| ggcgcgga cagctgaaac aaaccccaag tgttatcgat ctatcgacga agtggtatcg | 60 |
|---|----|

| | |
|--|-----|
| acattgtata cccgctatca agttcgggtgt gtgtctctgc taagttggga gtgtgtacta | 120 |
| gctattttaag ggtaatttga aattcgaaac ggggacttcc cgaaaaggta ataagcagta | 180 |
| atattaacgt ctttctatgt aagttgaagt atatttattt aagttgcaga gagacaaatt | 240 |
| gttttagcta atagcacttc ttattgcacc aatcccagat acatccgtcc attgcattgc | 300 |
| aaccaaattc tccaggataa atgccacaaa agtcctcgat attcatgaag gcacagcttc | 360 |
| ctttgggaca gtagtaactg tagcagcccg gtgagcactt atcccgtgg tgatccttgc | 420 |
| agccggacaa tccaaaatgt ctgtggaaac acaagaatgt attaatgatc ttgaaaccat | 480 |
| ttttacctta tctctcc | 497 |

<210> 572
 <211> 373
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 572 | |
| gttcagtcgg tcggtctccg ttgagttttc agtatagttt ttggccgagc tcttggctgt | 60 |
| tttcgctcgtt gtcggactga caaaaataac tcaaaaatgt cattcgccca tcgaatttta | 120 |
| acaaacgagc agcggagaaa agagcgtcgt cgccccagaa agaggggcta aaaataaggc | 180 |
| ggcacattgg cactttttta ctcgtagttt gctgttggcg cagtttggtg cttctcctgc | 240 |
| atcggttct gcttcttcag ctctgatga tgataataat aatgaatgcc gatgcttttt | 300 |
| atatagatag attgcataga tatatctctt ccgttgggca cccccccgc tatgctatat | 360 |
| atacatcccc ttt | 373 |

<210> 573
 <211> 1306
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 573 | |
| gaattcttcg tccccttga gatttttgcc attctaagcg aaacgcacta gaaaaacggt | 60 |
| cgtgtgaagc ctctgcctgt tcgtcttctt ctccctgct ctactcttct ttcttttagca | 120 |
| cttcgagtgt tttcgaaacg caaaaagaaa caaaaatatt ttcgacgaaa atcggaacgc | 180 |
| aacactgcc aactcagtcga cgacgagtcg tcgctgttgt tgctgttgtt gttgccgcca | 240 |
| tcattttattt tttcgctcgtt tctttttttt cctgctacgt actacaaaat taaactcgaa | 300 |
| cgaaccagcg aacgaacgaa cgaacgttcg cttggctccg tgcttttgga acggcaaaag | 360 |
| ttgcgatatt acgtccctcg ctatcaacag cacagcgatg gcagctctta ccctgtacag | 420 |
| tgcatatata cgaacaagcg attttaatac atgaaatttt actgtgcagt atacacacac | 480 |
| acgcatacga acacatgcct acatacatat acagcacact ggttccatca tcattattta | 540 |

| | |
|--|------|
| ccagcattcg ctttgttggt ttgccctcgc tcgctctctt cttcttctct ttgccttctt | 600 |
| tctctctcgt gtcattctccc ttaccacctc tgcgttgacg cggcccatat tttattttta | 660 |
| actgtgcgac tgtacttcgt gtgtcggtcg ttcggctcgt tcgcttgtag atgtttttac | 720 |
| atatatacga acggagcgtc tgtatgtatg cggtagatcg agtcagcaac attggatggt | 780 |
| agctgtggat gtacatacat acatacatat gtaggcattg gatgtggact ggagtctttg | 840 |
| ttggttgggg ctgtatgtac ttacatacat atataccac agtttttttc atggtatttt | 900 |
| ttgtttttgt aattttgtgt ttaccaagcg gcttggtgaa tgtacgtacg tacgccttga | 960 |
| tagctgttgt tgccctgtac actgcgcgac gtgcaatttg cgcagtgtgc tgctcgtctg | 1020 |
| acaattgtta acggcaattg ttgttgctcg ttgcctgtag ccctgggtcc gattcggagc | 1080 |
| gattagcgca cttgacgcaa tgctctggct ctttggtctt gtctcgtcta ctcgttctct | 1140 |
| tgtcttatca gctggctcgc gtgataagag ccgtacggca aaaatttttg catgcagatc | 1200 |
| gatgatcatc ggctatctgc ccagtggaga agcagctatt gcgttcggga aaccatcagc | 1260 |
| tggggatcct atttcgcctt ttattccaat gttcaaagac cttgat | 1306 |

<210> 574
 <211> 603
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 574 | |
| aaagcaggac ctttgaggaa ttggtgagtg ttttcataat taatcaatta gcttttcaaa | 60 |
| gttatcgttt aatgcctttt gatcggcatt taagtcttgc gtaagtgtgc gtctgctgcg | 120 |
| gcattttccg tctcagtcgt tcgctcgctt ttgtgacgtc atcgtgtcag ggaataaaga | 180 |
| aaaagttgca catcaaaatt caagttgtta atttaaaaaa cattacaact aaagacatca | 240 |
| atcattctga ctgttaaatt aacaaataag taagcaacta tttaattaaa aaggcagcaa | 300 |
| aaaattgcaa aaattcgtaa aagactaaag tggaaagcaa aaattctaaa accctcgtaa | 360 |
| aaattgtaaa ttttgaaaaa tcttaatttt ttaaacaaat gctttgtaat ttagttttta | 420 |
| caattagctg caaccagccg acattttggt ttctcacaca tacacatgcc atgcgcacag | 480 |
| acacatgcaa gcaaccacca ctttgccctg acttgtgctg gagggaaacga gacaagcata | 540 |
| cgttgttgaa gctatcgcac cgtttatcgc ccaatcgata ggaatacgtt aaattttgat | 600 |
| ttt | 603 |

<210> 575
 <211> 392
 <212> DNA

<213> Drosophila melanogaster

<400> 575

```
ggcgggaccga ccaaccgacc gcttttagtt cgattccaac tgccggcaga gtcggatgct      60
cagccacgtg acttttgaat ttcgatcagt taatttcttc agtgaattgg gaattgtgtc      120
ttgtgtatgg tgtgcattca ctaattaaaa ccttttagtcg aaaaagcaaa taactcgaga      180
agtggccccgt cgatcagagt gaaatattat ttaaaccggtt ggcagccacg ggggaattat      240
tagtaatttt taagacgca aaacataatt agtttcaaac aaaagacaaa gaaaactgga      300
ttttcggaca gcacacgaaa atatttccga gctatccggc tataaatatg catgagcggg      360
caatttatgg tcaaaaccaa acaataaaat ta                                     392
```

<210> 576

<211> 375

<212> DNA

<213> Drosophila melanogaster

<400> 576

```
gtatgaggta gttacaataa cgattctaac agggtcgctc gctttaccaa aagcgttcag      60
ctgacctcct cgaaccaagt atgtaggat gtatgtatgg gaacatatat atatacatat      120
atacgttata tgtatacgaa aaacgaagta ggggaaagcc tcaaactcga atacaaaaaa      180
ccttgtaggc gaatttttgt gcgataatat aatgcaataa atatttaata tttaatgtga      240
agattgcttt attactctta caaaatctaa caatttttaa caatcattat ccaatccact      300
aaaatatcct atcccccttct caaaaaataa ccaaaacgtc tccaatttat tcgaattaag      360
ggtccaattt ttgga                                     375
```

<210> 577

<211> 322

<212> DNA

<213> Drosophila melanogaster

<400> 577

```
gattcgccat tcgcctgctc tctcgcttcg tgtgtcgccc caccaaatac tatataacta      60
taactataac atacaaaaaa aaaaagcaaa gaaaaatcaa atcaaatact actactcgaa      120
acaacaaaat cgagcacaca ctcgaaaatt atatacaaat cgtaaggcaa ctaaaatata      180
aagcaaacgg catgtggcaa caaagagatt tgtgcaaatg aaaaattttt aagcaccaaa      240
aaagtgtgag caatttttta cgcaagccag gaaggaatcc gtatatttta taatcaattc      300
aatcaaatc aaaatacata aa                                     322
```

<210> 578

<211> 262

<212> DNA

<213> Drosophila melanogaster

<400> 578

| | |
|---|-----|
| gtgtgtataa ttgattctga tggcggttct tgggectctt cctctctctc tcactcttct | 60 |
| ttagttcttc tgcattcttg gtcgccctcc cacttactca acttaattgc ttctgtggca | 120 |
| ggagcaaacg agagggggga tggcgacttc gcgactcggc tgcgctatct ttactctctc | 180 |
| ccactccac tttggcttgc atcttccct gcatttgtat gcactggctc tgcattttcc | 240 |
| aggggcggat ctggaggcta gt | 262 |

<210> 579

<211> 783

<212> DNA

<213> Drosophila melanogaster

<400> 579

| | |
|--|-----|
| cactggctca ggtgaatgat gccacggtga acttggtcat cggttcacta gttcgcgcg | 60 |
| cgagtgttat tgtttgtttt gccgtcgctc tgcatttcg tctttgttaa tttcctcaaa | 120 |
| aagtatactg cgtcttgtgt tcttcgtggc atagggttagt caaaaacata attaagtc | 180 |
| gttgtgtgaa caattcaccg tgaaatttga ccagcaatta tattcccatg tgctatgcaa | 240 |
| tagcaacaag tggtgtataa tacgcttttt atcgggtcta cagtcattac tagttaactt | 300 |
| tggtgtgtat ttacattcta cgagcattta ttaaggcaca ttgataaga tataaaciaa | 360 |
| ttcaatcgta actcctctga aggttgtgtt tactgaactc gcgctgtgcc taacactgat | 420 |
| caattggact agttgatttc aaaaaccatg agaactttac aaaatctgaa aacaaaaaaa | 480 |
| aaaataaaat aattccaaac ttaaataatta tattaaatct aggttttatt aactatatgt | 540 |
| acggttctaa attatatatg aacgaatcaa gccaccacca ttacacattt tgcaacacta | 600 |
| attgaccaga aaccagtgga aaaattgacg ctgctgatat aatttaaaag ttagttaag | 660 |
| gaaaaattaa atgttcttac tttgggtttt tcaacatata ttatcataaa cttgtagctt | 720 |
| aataatacaa aatgtagcta aatctttaac tcgttatccg tgatgttaag gaatgttgaa | 780 |
| ttc | 783 |

<210> 580

<211> 316

<212> DNA

<213> Drosophila melanogaster

<400> 580

| | |
|--|-----|
| ctctacacct ctgagctcct ggggtgaggc actatctggt tccgtctcct ttgtggctat | 60 |
| ttttaaagcc ttctttaggg caggggtgtgt gtgttcgagt gcgtgtgtgt gtgtgtgtgt | 120 |
| gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt | 180 |

gtgtgtgtgt gtgtgtggtc tatcgctaataaacaatag ctctcacatt tctgtcaccg 240
 ttttcttttgc actgtggcca taaaatgcct tcaattttctc aacttagatt cacattgtct 300
 tattatctat ttgcat 316

<210> 581
 <211> 511
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 581
 gtccggggat ttttcgggagc cgtcaacaga aataaacaac aaccggactt gagatcgggt 60
 gcgtactcac ttcagttggc atcggacggt cgctcgtgcga gggatcgatc gcggttgtgg 120
 gtagtgcgat atagtgaata catctcaaga tgccgaaaac agtggttagt actcaccag 180
 gaaaaccgat aaataacgag aaaagatttc gcttcgagct tctctatttc tgtgtgatcc 240
 ttctaattgg tgtgggttta gcagctggct atttcatgtg gatgatgtgt gagtcattaa 300
 agcgaatcgt agattgaata caatttaata accaataacc aattgttaac ctgggttagc 360
 ctactccaca cattcggcga aacaagggcc tacacatact cgatcgcagc gaaatggctg 420
 ggggaaccac ccagtgggaa attaccgcac cttaagcttc cccgtctccc aatattatca 480
 ttcacacac ggcaaccgaa aggatgcgac a 511

<210> 582
 <211> 168
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 582
 ctctgacttg ggctcatgaa tcgctttggg ccgtgattca tgctgtctc tgtcttcggg 60
 tctcggaatc tcacacaaca cagcgatcgt gcctctcttt ctggctgtgt tccaccgtct 120
 cttacactct atttccgcct gggttcaaca agttgccata gccgtggt 168

<210> 583
 <211> 490
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 583
 gcctagatag cagggaac tagatagaga gtgatcttct cattacctgc atcgtgaatt 60
 agcctcttta aacttcttgg gacgcttct gaataaatat acgattagga aaatgtgctg 120
 attattgggg catgtattag ttgaaaaccg atattgtcct ggataagact gttgttaaaa 180
 atagatttac ttttaaattt gtttagttgt gaagatcaca aacataatcg ggcgagttga 240
 taaaattaaa taccgaata atactcatga tcagtgcaga catatccaaa aattaacat 300

| | |
|--|-----|
| tatgttatac ttttcgatta catttattta tcttgcagat cctaaggata tgcttaaaaa | 360 |
| ttaaattgta aaaaccaaaa ttgtttttgt ttttccttat taataatcaa gttgacacaa | 420 |
| caaacttttag ggctaaaggg aagttacatt ctatttaaca aaattgaaaa atattgaatt | 480 |
| tttggcgccca | 490 |

<210> 584
 <211> 409
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 584 | |
| ctctgctcgg taactgttcg tttgtacata caaacatttc acataaacat atataaatat | 60 |
| atgtttaata tatatttata ggcaagtgtg ttaataccaa agtatataaa ttgcatatat | 120 |
| cgccaaacca taactcccc ccgtttctgc atttctcttt tttcttgcag tgtaaagcca | 180 |
| tttacatact tacattacat attaaattgt attttagttt taatccaata tggcagccat | 240 |
| tttgtatcaa accattcttt caacttcccc cgctccctt gccctgccgc tgctgccctg | 300 |
| tttttgggcc gccttttctt gagttcacct tcttaattca cctagatttt caaatatttt | 360 |
| tcggtgatgt taatttttcg ggccgctcgc cccttcgccg tctctttct | 409 |

<210> 585
 <211> 705
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 585 | |
| tcttggccaa attattcata cctcttacac gtgtttcaag ttcattgcc aatttcggca | 60 |
| cgaccacagc cgtccagaaa gagacggcca cattgtgaag tatagagagg gatgtatagc | 120 |
| acttgggtaca gacttttctg ttgggcgggt tcttttctgc ccggttttcg cttttctggt | 180 |
| ttggcttatg attccgtcga gctgagttgg ccaaaagcat tttctgctcc ctgggactga | 240 |
| gtgactgact aaccgaccga gctagcaaac tgctgatctg gcaagaagat atccatattt | 300 |
| gtctttcaac atcagttggc ttatgtagat ttggaagtct aagaagtgat cgcaactcca | 360 |
| agctaaaagc gattgggtta ggcaataata tttgtaagtc gaatgtttag agatacgaga | 420 |
| agcaagttca aattctcatt ttagccagga aagtaataca aattttataa aagtgggaag | 480 |
| tctcttctat ctattctaata atttaaaata gaaaacaata ttttttaaat aatcagatgt | 540 |
| gtagatata aatataaata tagataagga tttatatatg tatatgtcat taaaaattga | 600 |
| tttogaatat ctcccacact ttccaccaa gactggccat ttcctttctc cttectaact | 660 |
| ttttgaattg ctgcggcgat ctccatttcc atatttgact actta | 705 |

<210> 586
 <211> 424
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 586
 gacctaacga cacatcacac aaatctctct ccgctcccca tactcaactc aaacgggcag 60
 tgggtgctggt ctgctcactc tcgttttagct ggcatgtccg tctagttgag tgaaatcgcc 120
 gctctcgctc gctcgcgttg gtggggcaag accttctgac gcgtttggct ggtttgccac 180
 caccactgaa ccaccaccac cagtgcaccc agtataccca ccaccaccac cactgaactg 240
 aaacagagtg gctgctctct cactcaacga agcacactca ctactcatc caatccaact 300
 agaaccggtt tgctcttatt agctcgctgt tgggcgcac tggtagatac ttttaccgtt 360
 aaggctcttt atcgccggac ttttcggttt cgggggtctc aacttttttg ccaatttggt 420
 taaa 424

<210> 587
 <211> 230
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 587
 gtcaagcaca ttacgtaca tacacacaca attacgtggt ggtggctatt gagtacataa 60
 tatatcattt ctatcttgtt ttcgggtagt taggtaggta ggtggtgatc aagtgcgtgt 120
 gtcagagtga aagagggtttt caccttgatg cctgatgccg ttacacacgg cgtatgggcg 180
 atatattgat tatgagacgc gacttacgca tctctttcat tcgatctatt 230

<210> 588
 <211> 480
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 588
 gttttgagcc acgcgctaaa acgacaacgt gctttcggca aaagagcggc taagagagaa 60
 actaagagag agagagagag agagagagag atctcaagct tggcttgag ctacgtcatc 120
 aaacaagttt ttacgattac ataaagtcgc gttccgctgt cagcaaactt gctctcgttt 180
 cgagcttcgg gtttccactt ttcgttggtg tagcatcggg tttattgttt ttctttttgt 240
 tattacttcg gtgaaactcg ctgccgactg cgctgccggc gtcgaagctg aaacgcctac 300
 gcgcctgcgc acctagaaaa atatggattt ttattgcaac acctagcca agcaccatat 360
 ttaattggaa atcgatattt agagcaaact atccatattt aagttgatgg actggatttc 420
 gattttttta tcttttgaga atgaagctaa tctataatct acatagcaca tgaattacct 480

<210> 589
 <211> 294
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 589
 cttccaactt aaagctggct tcagtccttt gtttgccctg ctcgctgttg gatcgtcggc 60
 cttccgattg gacgtcgcaa atgcaattgg agagttctgt ctctgttctg atcagagttt 120
 ccgctccggc cgcgtgtgct agtgtgtgtt tttgttggtg ccgtaaaca gtttagcaat 180
 gcgtttcaaa tccgcgccga ttgtttcgct tattgtcatg ctcgatttaa ccgcttagag 240
 ttgcggcagt acggaaaaat acacatataa ttcacaaaag ttatgccaaa ctaa 294

<210> 590
 <211> 460
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 590
 ggctgcacgg catacggctg ccggacgtct ggaatgaata ccaacttcat tcagttcctt 60
 tctggctgcc gtcgaacgtt gtcgtcgctt ggttgaatcg aatcgaaaag cgcagctcgc 120
 caaaaagcca ggccaaaatc tcaaagccac ggctcagtga aacagttatc agaaattttc 180
 gaaaaatcgc gtaaaaagtt ttcgaaaaaa aaaataataa ttaaaaacat aagcaagcaa 240
 ccgatttcaa gtggcaaaaa taacaaatta gaaaaaaaaa acgcaaaca aacacagcac 300
 attttttggg ttaagtgcc catagttcct gtttagcagc gcaacacaca ccaaccactt 360
 ggattactat aaacaacagt attatcactt aaaactagca caaaaattgc aaaattttct 420
 tcaacaaaat tcaatcgttt tttaaactac aacaaaactg 460

<210> 591
 <211> 485
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 591
 gcccgtcgt tttttttcgg ttcgttttcg ccgcagtcga aattcgctgt cgtcgccgtc 60
 gtttgctcgt cattttgcac tttgcggtcc gttcgaaatt tttatttttg atttaacgcg 120
 agctaccgt ctatatatac cactatatat aatatccgtc tatatgtgct accatatcga 180
 aatcggttct atttatcggc acacacaaat aatcacattc ggatggccaa cgtaatttga 240
 catcggccaa taaataaact aataaagtac aaaaaaagggt gtacaagttt gaaaaacgct 300
 gagctcatta tttctgccta attagcatac aaatcgtaga gagaggctct aagtcggctg 360
 taaatgttaa taaacaaaat aaaaatatgt ttcttccatt gggaaaaatg agtggtgatt 420
 gctaatcgtt aattccttag caatttatag tgcaataaac ataaatcgtg accagtgaca 480

<210> 592
 <211> 300
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 592
 gtatcgccctt ttaaagtgcc aaaaatggag agagaccgaa gagagagaga gagagagcga 60
 gagagagaga gagatgatgt ggtcctcata atatggtcac atcctgcatt caagtggcga 120
 gaaatgattt taaatatttg tggctcatgc attttaattg gcatttgcaa acgtgtgtgg 180
 cctacaaatt gaagtacttt ctatacggat taaaataact attttgtgtc attgcgttgg 240
 cgtgtaaatt aatttaaatt agcttcgctg gggattttat aatcaacatg aatcgaattc 300

<210> 593
 <211> 184
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 593
 cgctggatcg tatagtgggt agagatgggg aaaacatcga tgggtgctgag gggatcgata 60
 tatcgattgc gtttttgact actgtcgatg attgcaggcg ttagtgcctt ttggccggtt 120
 gtgctttcac cctctctagg tttaccggt cgctgttaac cgttacaggc gctcttttta 180
 tttt 184

<210> 594
 <211> 866
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 594
 ggtctggcga actgaaaaca gccaaaactt ttcgcctgcg ccgacgtcga cgtcggcagc 60
 gcagctgttt ggagctgttg gggctctgtt agggcccccac gctgttaggg ctctgttagt 120
 tcggctgctc tctctgtttg ttatcagtgg cgtgcgctct tttatcaaatt tggaaagggg 180
 attttggaga tcagacagat cgacctgcgt taaactttca gcataccgga atatattaga 240
 atacaatacg tttataaggg aataattgaa atgattttga tagaagtacc aattctttca 300
 tagaaagacc tttattttga ttgaaattcg acaagttcga ctttctatta gcttggttta 360
 gtgtttttta acttacgaat cacatgagta cccaatattt attgtgcata tgtacaataa 420
 aatacathtt ctgcaaatga ctcaaccaag atttttcgtc tgggtggggg gggaaatata 480
 aaaaagtaaa gagaagtgat ggatattttc agtctgtgat tcgattgatt aatttcttat 540
 tctgtgctat acattttata cactaaaggc atgaggaaca gcttaaagcc tgaaagtttt 600

gcattttcaaa gaaaagtgtt tatgatgagg aatttttggtg gtttaatgtt cgttacatta 660
 atgctcgtta catttttagtt agttccagcg aagtactaaa aaggaatact ttttgcaaaa 720
 cgtgctaaat agtttctata agttgctttg tgtggttacc aagtgatttt tgcgattaag 780
 ggttatctct taggttatgc atctgctgtc tgtcggtgca actgacttta caatatagtc 840
 tacagtcttg aaggctaata gaattc 866

<210> 595
 <211> 352
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 595
 gtattacact atcggaagat ggcgatgatt gcgcttcgtc ccaactcgag cagcgctgat 60
 agtcggattc caccgaacat tttacgctaa attaataaaa tttattaaaa ttcatttctt 120
 gttaaattga agaactctaa aaaatacttt tcagtttaat ttaaattaaa taacctatct 180
 aaagaccaca atcaggcatg ttccggtaat agtaatatct tttcgattac gatttggcaa 240
 aatctttcga cttcgttttt aggtgctcgg gttttcgctg aatttttgcg atcggaatgt 300
 tttgtaaaca ggaaacagat gtctaagctg tattccagac aacggagcga cc 352

<210> 596
 <211> 846
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 596
 gggtttagtga gtgagagccg ccgaaaacaa ttaaactaaa tttttgtgat atttgaccgg 60
 caagtgaaaa ctttcggctt gttgcttcgt tttctgactt ccatgcgctt tatcttcgct 120
 atttgtttgt gctttccacc actgaaagtg tcatttaagt ggcattttca cagtcgctgc 180
 gttttatttt acttctctcc cttttgtcgc cgattgttta ctccacgcat acacaaacac 240
 acgtctcttt tatctatttg ttgttaatct cttcgttgtc ttttcctgat tgctgattca 300
 cctccatggt tctggtgtcg tcacgtaaaa aatacattg aaaaaaagaa ttatatctat 360
 tcaaggatgt aaaagcacta cggcacattt gctttatttt ataatagaca atataatatt 420
 aaaatgacta aaccaataat gtgacgaatg tcaaaaagta gtgctatttt gctctgtgca 480
 tataaattat cgttactcat cacttattaa atctgttggt tttcccatte gtaatcaata 540
 cacacagccg aatgcaatga cgcactcact cttaaataata aatatacgag ataaactttt 600
 actttgtgcg aggttcgggt tcttatcatt tttgccact gtgcatttgc atttcgaatt 660
 gcttttggtg cgcttttctc tgctattttt gtgttgtaa cgtaagccaa gcttacttct 720

ctccccgtct ctctctcttg ttttattctt agctaacggt tttctatttt cgatatcgat 780
 tgttgccgtg cgttggtttc atgtctgtgt gccacaatcc ttatcaccac aaacaaaagc 840
 gaattc 846

<210> 597
 <211> 443
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 597
 gtctggggca gcacaactag ttattttattt ctgctgacgg atgtggatca tctgccacaa 60
 cctatcataa gtcggctgca aaggccccag atcgggaata gtaaccacaa aagtattata 120
 gtactacgga acctctacct cccctctgca ccccgctccg caattacttc atgcccttgg 180
 accgctcttc ttcttcttcg cctagagggg gctcgtccag ggtttttttt taatggaatg 240
 cagttgcaag ctggtttctg gaacggctta gcaaggtgca aaacccact gagtgcgtct 300
 ctcttgccctt cttataacct tttatagggg atcatggcaa tttaatgttt ttacgccaac 360
 tacgataata gctttttattc agtcttagac taaattgggt tacccttgat atctaacata 420
 gtttatcaat tccaatagtt cca 443

<210> 598
 <211> 402
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 598
 tttcggacta ttgagtgatt tccctctctt cggggaaatt cgagatggag agtaaagcga 60
 aggaaaatgc aagggttggg gtagctggga aggccttttga tgggcgcggg tttgttggat 120
 gggttttatg gctacaccaa gacacttaat tgggaaaaag cttcaataaa atgttgcatt 180
 aagccattgt agctacgaga tcttaagccg agcaattgta atttgagaca ttttatttca 240
 attattttta tttggcattg atattacaat ttcgaaaaat tttaaactat gtatgaacac 300
 tacggggaaa ttaagttata tatattccca tattgggaaa tataattagg ctttaggtta 360
 ttatctttct tttatagtta aagactttgt taattagcaa ta 402

<210> 599
 <211> 513
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(513)
 <223> n = ambiguous/unknown nucleotide

<400> 599
 gtttgaagta aagttgagaa aataactaaga aaatctagat aagcagtgct ccaatatgaa 60
 cagtaatcag taaattagtg aagaatgcga tatgaaatag tacagatata gtacgcgagt 120
 atccactgta catggcgata aggcagtttt ttgaaaaccc cctccaaatt gaagttcaca 180
 ttctttgttg ttactcgttt ttcggttca ccttcatttt gttttatcca aattgcgtct 240
 taaaaatgat ggaaaaacat atctatgcat gtgctgggtg tgcgtgcgtg tgtgtgtgtg 300
 ttngttnng taaacaaatg tgtgttgga tgggaaaaac aagagagggg agcaaagccg 360
 gggcgccaa taaagccaga gtgcgaggcg caagcaacaa caagcacacg cgggtgcagt 420
 ggaaacacgt ttccgcttt ttgttgggt ttttcatgcc cttatcaccg gttatgcgaa 480
 atgctgcgtt aaccgaaaaa cccaattacg aat 513

<210> 600
 <211> 600
 <212> DNA
 <213> Drosophila melanogaster

<400> 600
 atcgaactaa tggggggatt caaaattata tagagctgta aaacaggagc cagctaataa 60
 atcgggctagt atcaactcct tataaatagc ctctttacgc aatactattg aatacagaaa 120
 aataagccat caaagtcagc attatttgca gtgtttgccc accacttccc cgataagcca 180
 tacatataga gttacgtaac tggagatcgg cgactcgagt ggccgggctt tggctttata 240
 tagctaatta actggacgat cgaccaggag cacttgtgtg caactcggca aaatactata 300
 cttcagatgt gaaattgcta gatttctaga atcgatcaga ttttcccat tcataaactg 360
 ggtctgcgac tgtggctaata cagcgcaata ctgattgatc gattggaagt gccattggac 420
 aatttataga gcgatccata aatcataatc gactgggtatt tattgtgcgc tattcgcaac 480
 tactcgagcc cagcttttag ggtttccgtt ccagctggaa gatctttgtg gggacgcaag 540
 gcttctggga aaccgagacc ccaagaaaaa gatcacatga tagaaccccc ccatatgatt 600

<210> 601
 <211> 571
 <212> DNA
 <213> Drosophila melanogaster

<400> 601
 ctctgtggca ttatagagaa aacaaccccg agttacatac agcatcctcc cgactccgaa 60
 ccttggagat cctggcacat cctgctcctt ggaaccttgg ctacaagcac tgatttgtca 120
 acttttgaat atgtcgaagt gttgtcgtgt tgttttcggg ggtggctttt ctaatggcaa 180
 ggtgacgggt ggttggggct atactttaca gtgggttctg ggttgggggt gtaagtgggg 240

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-----|
| tggttggtgt | tggttggtga | aggttgtgtg | tgccaaagta | ctaaatacat | ttactgctcg | 300 |
| caccaatctc | attgttggtg | ccgtaagtgt | tgtggaaaagt | ttttgtgttg | ctgccgttgt | 360 |
| tgtttggtct | tttggtgaa | ttgaaaatgt | tccgttaaca | gtaaattttg | cacttttata | 420 |
| ccgctggggc | aaaaggaaaa | agaagccctg | ccccttgata | ctgccacca | agtttggtgt | 480 |
| tgtgtgtgaa | tgtgttggtg | gggtgggaaa | atgccgtgtg | tgtgtgtgtg | tgtgaaatag | 540 |
| gcgcccctcg | ccccacaa | caaaacaaaa | t | | | 571 |

<210> 602
 <211> 475
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|---|
| <400> 602 | |
| gtgtggagcc | aagaatacaa aaggagagag cccggagaga ggtgtaagta gtgtgctc 60 |
| cgcgaagagg | cgcacaaaaa ggaagtaact aaaaataaca aacatctcgt ttgggtttgt 120 |
| aaggtggaat | gaactcagaa cccgcgatgg agaagatgcc gaaaaggaga cgccgaggag 180 |
| acaaaccaga | caccagaga tccatgcccc aaaactgatt gaactacagt gatcacttgg 240 |
| ttagaggcac | cctaatacatt aacacgctg gcacacacga ttgaaaatga agtcaccact 300 |
| ttaaaataac | atatatactc atttaaaactc tcccatttac cccaatgtgt tctaaatacc 360 |
| tacagtctct | gttaatacat gtttaccata aatcccgcga gattctcgga attaaagtgc 420 |
| tttgccaata | tttttttgaa ccatttaaaa agatattaac ccaactgtta tgggc 475 |

<210> 603
 <211> 371
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|--|
| <400> 603 | |
| ggcaagggcc | ttctccactt ttggatgac gaaatctaag accggctttc ataagcgtgg 60 |
| caaactctat | atacttttta gacttgccgg aaatgcgaaa ctttaaagtt ggagctgcgg 120 |
| gtagaagcgg | taagatcctt gcacgaaatt gataaacagc attgcatcag caattaggtt 180 |
| tgggtgttgt | ttaagttctg ggaatcgaac aagataacca caatatttac ttatttatcc 240 |
| aactttttgc | tctctctcac gttgttcaat aataatctcc acccgctcaa cagcaggtaa 300 |
| atacgtccaa | agttctacaa ctttctactg atgaaattca ctttaacacg gaaaccggta 360 |
| tgtttttgct | a 371 |

<210> 604
 <211> 488
 <212> DNA

<213> Drosophila melanogaster

<400> 604

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aaccagacca ttgcctatcc gcgctcattc accgactgct tcatcatgtg cattggcatt      60
ggcttggctg ccagatttca ccagctctat agaagaatcg ctgctgttca taggaaagta      120
atgcccgcgg tcttttggac agaggttcgg gagcactatc tggcattgaa gcgtctgggt      180
catctcctgg atgcggcaat agctccactg gtactcctgg cctttggcaa taacatgtcc      240
ttcatttgc tccaattggt caacagcttt aagtgaattg agaaatgact tctttacaca      300
gcttagatat attatgtata tttttttttt agaaatatag gtgttggact ttctggtgat      360
gtttggcttt ttggtactcc ttaggattcg ctgtagttcg cactttactc actattttcg      420
tggtctcttc cataaacgaa tacaacgaaa gatgtcacag ccctgcggga tgtgcctcca      480
gagcttgg                                     488
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<210> 605

<211> 500

<212> DNA

<213> Drosophila melanogaster

<400> 605

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atctgtacaa tcaatttcat gaaggtacaa tcgatatttt ttataaatcg attattataa      60
gttaagaaat taaaatattg attaaaaaat ttaaaattta totatatata caatttat      120
gtttaataaa taaaatgtat ttttaatcgt taatttttta ccaaggaaag ttttttaatt      180
taatttttct gtttacgata cgcactctaa tttgcagcat ttttgactaa aaaaaactta      240
aaaccttatt tcatagtgac aaaatgattc atcgagcat ctgtaatctg tatctttctt      300
ttcacttctt gagattaacc attattaata atcacataat ataaaccact ttttaattcaa      360
gtaagttgct agttcctgca cccgaattt taaatgttaa cgcataagcc cggggcatta      420
aaaacagggt tggcagggtc tgcgcggtc cattgcaaaa aaaattcccc gccacagagt      480
ttttccgcta ccaattaact                                     500
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<210> 606

<211> 387

<212> DNA

<213> Drosophila melanogaster

<400> 606

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gcccacatag tgtgttgctt gtgaatccag ttttcttttg cgacatcgtt tataaagaaa      60
tcccaaagcg gcgaggtaaa aaacagaaac atcaaagca gagtaacaat tgggggtgat      120
attcatttca tccgaaactc aaatcgtttt cgagacttat caaagcacgt taaaattgat      180
ctaaatgggt atacaaattt cacacatata ttttgttta gaaaactgca tttaaaactg      240
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gtaaagttagc agcatatttg tttctctgtg tggagcgcg taggtgcgag ataaggtgat 300
 tcgaaagcac gttcaccact cgcacggggg ctgttttttc ttccagcaac ctctagaaga 360
 aatcccacct agaataatac tagtttt 387

<210> 607
 <211> 322
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 607
 ccgcagccca caggcaacac ctccggtggt ggtccactaa gtgcctggcg tggagtaatg 60
 gaacatgggc tgggttctcc gtttgccgcc ggatggcatt tggagatcag ctcttcgggtg 120
 ctccggcggtt tcgcccactt cgaccattt cgctggcccg atcggccgat ggcttggcat 180
 gaattagcac cttttttgga ctttcttttt gtccggtctt gacgcatttt taatgaattt 240
 accatggcca aataactttt actaggctgc gtgtctacgg gttattcgaa tccaactcac 300
 ttctaaggcc ctgccacttt ga 322

<210> 608
 <211> 590
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 608
 ggccaggcca aaaatacagt ggtcgtcgag taaataagcc accgattcag aatttccatt 60
 tgtcaataaa gccagcaac aacaaccag tatagcccat atatcactgg gtctggaaca 120
 tacataaata tttttatata gtttatggat cccccagctc agctgtgtgg aggtgtaaga 180
 aacaaaaagg cgaaacgca aataaaaaac agtaaccaat ttcgcaaaaa gctcgccaag 240
 ctgacagaac ggcaaaattg gaagagagta aagagcgaaa cgctgacgtc gagcagcttg 300
 ttttaacttt tgtttaaaat ttaaattgct aatgaattga tgatgtcttc tggttctaag 360
 aacatactaa gggggaaaaa gacgtgttat agggatatgg caatagaggg gagcaactta 420
 taattaagag cttagcttgg cagtaaagcc ccacatgaag aaaaaatttc ttaaaaagtg 480
 taactttttt ttttaaatat aagaaacagt ttatcttacg cttacttgaa ataaatctaa 540
 atttttgaac tttttttgac tcctttacaa tgagaaacat gactaccctt 590

<210> 609
 <211> 416
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 609
 ggtaaagggtg tgcgactttg tctttgctc tctctctcgc acaccgctc ttctgtatgg 60

ctgtgtatgt gtgtgtgtgc tgcagcaggc gggctttttg tttttttttt tcgcgacctg 120
 ttgttgctcg cttgataatg gcaggctttg ttgttgctgc tgctgctgtc gctatcagct 180
 gttttattgc atgttggtgt tgttggtggc gccaccgatg tgcgacgtgg tgttgctgcg 240
 gctggggtag ttgttgcccc tatagagagc acaccaacaa aagttacagt tgtttgtaaa 300
 ttgttgctta ttggtataaa tgttggtgta attatcacta ttgttgcggt tacttctact 360
 aaagttgctc ttgttgaaag ttctcgtcgg tgtaccgttt ggcgttggtg taacta 416

<210> 610
 <211> 504
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 610
 gcccacgctc tcccacagtt accaaccgtc atccacctcc ctcttttctc ctctctctct 60
 ctctatgtca tttatgagag ccaggccgaa cgaagagccg aagtttctgc tgccaaggca 120
 aaagctaaag ccgcacttaa acaagaatgg ataataaaat gggttaaaaat tctgataaaa 180
 attgatcagg tagaaatatt ctaagttata tgaaacttgt tcataaattt aggacattat 240
 gcaaacgctt ttttttagtt catgaataat tggtttagca aaagtttttg ttgagtgtaa 300
 tgccggatth ctagtctgt cgtggtcgct gcttttgctg ctgcctctgc ttctgtcgt 360
 gcctctgctg gcggaaaact cctgggtccaa aggcagccaa aacaaccgtc gacggatgac 420
 gacttttccg actaacaacg gacgcgcatt ttcccaccgt ttcgaggcaa gagcgcattg 480
 aaatttgtgc gacgccagcg caag 504

<210> 611
 <211> 879
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 611
 gccggagcgt tctgtttttt ttaacagata ggtaaacagt gtgaccgaag ctggaccggt 60
 aaggaaacga catcaaagat gggctaagcg cgttttcaaa gtataccgca taaaatattt 120
 ttagagggga aacattttga acatttaaac attttactac attagaatgc ataaattgat 180
 tgaattaaaa tacggagact ggtgttttta atctgcataa ttttgtagtt gtagctagt 240
 caacaagggt tctatcagtt ccaggaaaac gctttgttta caagcaaagt gctgattttt 300
 atgttgatgg tcttaccctt ttgttgtaaa aaattccggt gctaaaatcg gattaaaagc 360
 gcatgaagtt attcgtaagt agttgaaaat cgcactagag atgaatccta atgtttatag 420
 ttttcagaac tatgggtctg cgaacgtaga tcaacgcccc gtgaaggacg aaccacttca 480
 agaagacact ttcgaagaag aattaatctt catttctaac agcgacttcg aagagcttga 540

| | |
|--|-----|
| aagcgaaata aagattgaga acttctgtag ttatggcaaa gatttggagc cagttaaagg | 600 |
| cgtcccgctcg aagctgaaga cgtgtaaatc caaaatagca aagaagcgcc ccttgcgaaa | 660 |
| gcaaacagat acgtttaagt gtaccaatg ccaaagacg tttacaagaa agggaaacct | 720 |
| cgaatcacac ttgcgacttc acgcagaaga acgtccgttc gagtggtccc actgctccaa | 780 |
| gagctttgga cgcaggacgc attacaagcg acacttgctc aaacacgaaa agcgacctca | 840 |
| taagtgttcc cactgctcaa aaacctttac ccagaattc | 879 |

<210> 612
 <211> 443
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 612 | |
| gatcaccgtt atgagcaagt gagagagcgt aaggccagtc acggacgtgt gcgagcgag | 60 |
| cggagcattg atttgctgtc ttgattttg cttatgacct gaggtgctct cttacatata | 120 |
| tataaacgcc atcatccagg cagacagtag gcgagtgtaa gcgagagaga aagagcatgc | 180 |
| gacacacata cgcacacaca ttgacacctg gcgcaggagt cgcggcttgc ggcactttca | 240 |
| aataaattaa aaaatagcaa caaaaccaac agggagagag gcgaatagag cagtaagcct | 300 |
| ttccccagct tctcgtctca gtagtaacat tagtaagagc aacaaaaaca gggacaagag | 360 |
| agcaaaaata catgcctacc ttaacccaat taaaatacca tattatttaa caaaagaaat | 420 |
| tgtgttattt gcaagcaacc cca | 443 |

<210> 613
 <211> 231
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 613 | |
| ctgctgccga ttctgagttc tcgattctca gttcgattct cagacgttgg cgaaccgaga | 60 |
| accggtgacg tagtacgttg ccgtccgcca ttattacaac gtcggctgcc acacgcaaaa | 120 |
| ttggacatac cagctaacca aaaataacca acgccaactg cagctcggat gcgaagtgtg | 180 |
| cttgccaaaa gtcaaacgat aacgaaaata acgcaggacc ataaaattcc c | 231 |

<210> 614
 <211> 473
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 614 | |
| tgttggaacca acttaaaaca ccgcacaaat gattgccata aatttgatgg caacaaacag | 60 |
| cgacaacaac aaagtgtagc gctgccgccc gcactttctc cgcagttctc gccattttctc | 120 |

cgctctactt tctccgctcc tctctccact caataatgtg ccaactgttg agtttccttc 180
 cgcttccgaa tgcgagcgcg aaagagagag agcgagagcg agagaggggtg tgagacagag 240
 acggggcgag cgggagtatg tgggcgttg gcggaagg gttgaggga gttgagaacg 300
 atacggccac tcgctcgctt gctcgctctc gctctctctc tctccctccc tccctctctc 360
 cctctcgctc tctcgccggc atcgaaggct gcttacaggt ttttatagta cttcggtttt 420
 gccgaccaca gccaaatttg ccggcgaatg gttggcttct gcgttggttc cgg 473

<210> 615
 <211> 188
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 615
 gtctagtcac tgtctgtctc acttgacaaa gtgccgtgtg gtgggggggtg cggtttgga 60
 tggataaaga gagatccgca tactcttggt gtagttgttg ttgttggtgc tttgccggct 120
 ggcttgcaat taacgctgac gtcgacttcc acacaccct taacccttgt gtgccggcga 180
 atgcagtt 188

<210> 616
 <211> 439
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 616
 tgcgatagta tccgactctc tcccgaaaag cgtgctctta gtgaaacttt cacgctcttt 60
 ggggtttcga gaagtgaatg taagttgatt gtcgtaagcc ggctttgacg tcgttttgag 120
 accggagatc ggagaccagg ggcccagat ttgagatttg agaccggag ccgcatagga 180
 aaggaaaaca agtttcttcc gacgctatgg gctgcgtcga cgtcagcgtt gcggcaacat 240
 ttgttaacct gttttttatt atagattttg tgttggtgct gcgagtattt gatttgcccc 300
 gaatgcacga tggaatagga cgggggggtg taccgcgtc tgcaaccaga cccgactttg 360
 gctgctgccg cttggtaaca ttcgctccgt tgatctgtc aacttgacca agttatttga 420
 actatgcaca tgttgcaga 439

<210> 617
 <211> 144
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 617
 tgtggtaaga gtagtatgagc gtcgaacaga aagacaattt aagagagcgc agatcgact 60
 tatgagtaca gtcgtgggca agaaaaagt aaacaacatc cgaacagtcg gaatctcaga 120

tagtgctcag acacctaagt atac

144

<210> 618
<211> 410
<212> DNA
<213> *Drosophila melanogaster*

<400> 618
gtctgggact ggttgtttat gctggtgta ttttcattgc aaacaaatga tgaggaacac 60
gcaaacgcac tcagacggtc cttcgtctgc tgggccacag gaaaagaggc cccgggggtct 120
caaattgaaa tcacaatgag ttgaggactt ctgaagtccg actggcaggc acataaattt 180
catcgcagag cgaaattcga gcaaaattat tggatgattt ttatgggtcac ttaaagtggg 240
tttttatgtg gcccaggagg cagtgagcag tgcacataaa aataaatgga aaagcgcaag 300
aacattctgc ctgctcgtga ttaaaaatat attttgaaat tctgctaaaa tcgattgcat 360
ctcaattttt gccgttcgct ctctcattt taatttcatg ttaagaattc 410

<210> 619
<211> 531
<212> DNA
<213> *Drosophila melanogaster*

<400> 619
ggcggacgga ggcggtgacg cgactgagat gcgccgataa tcgcgctacg cgtgcgtagg 60
cccggcagag gcggtaacgg tggcagaagc ggcggcagag gcagcgacag agcgccagcg 120
actggctgga atatttcatt ttcacgacta gcagtaaaac ctaccctacc tgtgaacagc 180
tattccaaac attaatcct attttcaact gttatttaag tgaaatatat ggcatatgca 240
agcgcatttt gatgttttta agtgtaaatt ttattgcgaa taattttttg ttgctttttt 300
tcatctaaca atcaatgtgg aggcaatctg tatagttcga taacttactt taataaaagg 360
tatacacgga atttgaagca attttataaa ttaaagcaaa atcacatttt tatgtttaga 420
taatgaaaag gtattttact gatctgagtg aacattatt aatattattc aatatcaact 480
aagttttcac tgtattacca tttgtcaca aatttcatta cactttgcta a 531

<210> 620
<211> 583
<212> DNA
<213> *Drosophila melanogaster*

<400> 620
cgttggacgc actcgctgcg ccaccgggag gtacgcacct ggcttttagat catcacgga 60
actgggttgt ctagtttcca ttattcattg cgaattgcag ctccgattat gacaaaattg 120
cagttgcttt cttctaaaat tcttttcgca gcttcttctt cccgtgtgac actcgattgc 180

| | |
|---|-----|
| cattcccacc gaatgaaatg cctttgcgta tcgatagttg gtggcggggc tcacaagatg | 240 |
| ggtagcgagt cttagccgaa ggagccaatt ttcgtatttg aatttgagat gatgcactga | 300 |
| aatgcttcgc aggattctac aatctaagat atttacttca aattgagaat tttaatcttc | 360 |
| agtcaaacat attcgtagcc attggtttgg aatttaagct tattatgaaa tttatattta | 420 |
| gctatgttga ttaaataaac tgtttgcaat tattcgcttt taattttcga atgttattta | 480 |
| atagctacta caccaattct tgataactag acttatgaat taatgaataa caagttgaaa | 540 |
| tctttttata tttttaaatt gtccatgggtg ttgaatattt tga | 583 |

<210> 621
 <211> 462
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 621 | |
| gtgtgcactt ttaagattct acacagtttt cacataatta tggttaacggt gactacacag | 60 |
| tacaagaaaa acaccacac gtacatttat gttacaatcg tacacgaata cgcttagaaa | 120 |
| atcgcacaaat gaagtttcat gctctcactc tcacatacta tttttttctt agcgatttgg | 180 |
| agacctgtct tttggcttta tttatgccta tttgttgttt ttctgcagcc cagctgctga | 240 |
| ttacatttcc gatttctagt cattcttgtg gacaattatc aaaatagaac cttgcaagcc | 300 |
| tttgtaaaca aacaaaattg tggttctacg ctttttaatg attcattttc gatttaacag | 360 |
| cctggcaatg acaagattta acagcagtag ggtaccgaag ggataaagcg acgtcagatg | 420 |
| ttgggaaact aactgaaatg gaatttctta ttgcttacat tt | 462 |

<210> 622
 <211> 145
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 622 | |
| gttcgaattg acagtgggtg ttggtgaact agatcgcgga ctogaagtgc gggaactttt | 60 |
| tagtgtgtaa gcttgccagt aatgaattga agtatttaaat aactttattt tgaatgaagg | 120 |
| gtttgaacat aaaaaatatc ttcgg | 145 |

<210> 623
 <211> 518
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 623 | |
| ggctggcgat tggtgtcgct gctaactggg atactggaat aaatcataat gcattttacgc | 60 |
| accgttgctc ctcaattttc gagtctgtgt gcatgtgtgc atgtgggtgt tgtgtgtgcg | 120 |

| | |
|--|-----|
| tggtgtgtgt aacctttggc aaaggaaaaa tcaatagcaa cagacgtaga catttgtttg | 180 |
| ccgctgttta tgtgcagccc tcgcattgtc cttcgccccc aaaacaaaga gccacccttg | 240 |
| cagagatggc caaatcccaa aaaagaaaca agtgaatggt ggtctgcata cagactataa | 300 |
| ataaaagcaa aagttatcgc aaaaggcaag cagcaaaagg caaaccagat gaacggccaa | 360 |
| taactcgtca gcatgctggg tctgggtcgt tgccctctttt ttttccgatt ctgattccgt | 420 |
| ttcttcctgc tgctctggct ccccgagaga aaaagctgct ccagaaattt gtctcaccca | 480 |
| tctgctaccg gcattccaat ccgccatttc cattgccc | 518 |

<210> 624
 <211> 249
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 624 | |
| gtctgtcgtc tgtcgtaatt tttttttttt tattgctttt gttccttttg cttacgtttt | 60 |
| agtttcattt ttggcttggc caaaccttga accgtacacg ctcagtttat tggccgcttt | 120 |
| tttactacga ataccgttca ttcgcttcgc ttggcttcga ctgactttcc gatgatgacg | 180 |
| ccggcgaacg ttgattatga agatcatcat cgccgttctg tgggttattc gagggtaggt | 240 |
| atatatttt | 249 |

<210> 625
 <211> 534
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 625 | |
| gtgggcactg ggtactgagt gctcggtctt gggttctctg ggccactctg ctctggcaca | 60 |
| ctgagcaccg agctggcagt tgggtagaaa tcagagtgcg ccagcagcgc gaccgagatg | 120 |
| accactttt cggtattcgc actgagaccc aactgctact acccacagaa agtggacaac | 180 |
| taggcggagt ttttttctat atagtagcag tgaaacgacg gcgtttttctg gatataattat | 240 |
| gtacagccta cgtagcctag tgtaaactat atgcatttat gttgaatttc ccagcgcaaa | 300 |
| cgtggaagag gaaaacaggc gacctgaaaa agcagcagca gcagcaagca agaagcagaa | 360 |
| gcacaagcag caaaaaaggt tcgcaaccg ttcaaaagcc cccgaaatac caaatattac | 420 |
| caaaagttac cccaaaagaa aaggataaat cctgttgctt cccaaaaacg aaaaccgcag | 480 |
| ttttaagcca aaagtgtcca aatccctggg taaatactta ttttgcccag ctga | 534 |

<210> 626
 <211> 557
 <212> DNA

<213> Drosophila melanogaster

<400> 626

```
gggtcaataa atataccatt tactcgttga gtgaatcggt attcccgta ctcgtagcgt      60
aagcgggtat actaaccgac agacttttga atgactaacc gaaacaaaga ggttttcgaa      120
cgtatctgca tcctagtata atcggtgacg agtgagtctt cttgccgaaa atatctcatt      180
tgtagcgctt gcattccata ttgccggtgt gaaacctatc acccaattct gctctggttt      240
cgttgcattt ggtgagggca tgaataaaat aatttgtttt taagtgcgc ttagaagcat      300
tcctcgctaa attgcgcaat tgtctgagcg tcccaaatta gaaaatgcat gataagctgc      360
cttcagacat agtaatttaa tagcacacat gccacatgt tgagatctca aggcgtagat      420
taaattttcc gaccggacag ccgcagcctg gttctgcgtg agttcaacaa tctctaaatg      480
gtcgttgcaa tgtaatgtgc tgcaggcact gcgaatcggt cctttccctg gcgcaagcac      540
atTTTTTTga atgactt                                     557
```

<210> 627

<211> 397

<212> DNA

<213> Drosophila melanogaster

<400> 627

```
ggttggagca tcaaaattga ttttaatgat gccttcgttt cggatcgctt atcggacatg      60
taccgaacat cattccaaaa tcataaatct tgctatcatt tcgttttggt gccaccacct      120
ggaagggagt gagctggggt ggttttggcc aacaattttt catttctccg gccaaagacat      180
gtgcatgtat gtatgtccgg agtatttgga ttcgggtgag caatgagtga cgaaagatgc      240
cctgtcgagg tcaccagctg tgcgtgtact ttccacggcc acagttttgg agtgtcgaag      300
cactgttttc atattaggtg gggccttcct catgtggcag gtgcagcagg tgctcgctg      360
cctttcacta aacaaaagcc gaagagccaa ctgagtt                                     397
```

<210> 628

<211> 408

<212> DNA

<213> Drosophila melanogaster

<400> 628

```
gcgtggccga tgtattttac gatgtttttt tcgtaacgat taaatatgga acttctgggt      60
aattacagct aatcttcaat caatatattt cattgtgtaa tttaccaatg gaataaaacg      120
atgtcgctt ctcacctcca tcctcgttct ttggcggatg cttcgactat gagctactaa      180
tttcctcgga tgaggcaacc gcaaattggaa gagcgtcctg ttgcacatgc attaaccatg      240
gcatcacgac attatgctaa cttacacaca cactcagtgc tgcaccgcat acgagaatgt      300
```


ccatacatat gtacatacat actatgcaca tatacaggca cagggagctc atcaagtctt 360

cgggtttgtc gaggatgttc acattgttta tgctccggaa taaatgaa 408

<210> 629
 <211> 566
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 629
 gtctgttgcg tcatcgatgt ctgtcccttg agctctcttt gtttagcact tctctctctc 60
 tggcttttta ttttttttaa tttttgccgg caaaccgta actgtcacia caggcgacgc 120
 caagaaaaat gatggggcag cgggggctgc ggtgggtgat ttgcaaaact attgggttgg 180
 gggatagtgg gtggtgttgg ggggtgctagt ttgccagtgg gcgtcattta tcgtatgatg 240
 cgcatttccg gcgccactca acagactaca gccatataaa caccaagcaa acatcaataa 300
 tcacaacaga tacggtcgat tttctgttac ttaaactaaa ttacatatat acaattttgt 360
 aaaattactt aaacattggt tattacacaa taaaatagaa aaataatggt tataaaacct 420
 tactcaaata acttacaat ttataaccaa atttccataa caaaatacac aatagattaa 480
 actgtaaaaa tataatttga ataattctca aacatttcat tacaagaatt tttaatttta 540
 taatccttaa acagggtttg aaacta 566

<210> 630
 <211> 570
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 630
 tgctggactt cccccgctga ggggtggcaac cctgtcagtg gtcgccctca gcgcttttaa 60
 agcgacgtta cgcctgcggg gtattttgtg gtccctgatt tctatgctcc ttgatcagcc 120
 agccgaaggg tatgatgttc cagaagagca cttagtttca tatctttgta caatatataa 180
 tatgattata gttaaagtga acaaattaaa aaaatatatt tgtggagaat gtggaaatgc 240
 cgaaatcaaa atatattcca ttataaaaaa atacaataaa tatcacagct gtatttgacc 300
 aaaagagcaa aactaaaagc ttatttttcc agttttcgcc atttttattg accttgattt 360
 cgactaataa ctttagcatg caaaaataat aaataattac aataataatt aacaataatt 420
 acaattttag ttattaaaat tgtgcaattt aagtttatta gttaaaaacc tctctcgaat 480
 gatgttcttt tgctttctaa atactgttga taagctataa ataatgttga atagctatta 540
 ataatgtcgt ggctatatta aattatataa 570

<210> 631
 <211> 579

<212> DNA
 <213> *Drosophila melanogaster*

<400> 631
 actccaactc acccggtttcg cagttctgtc ggagattgga tcgaatcaga taatatagtg 60
 ttagagatgg tctaagaagg tctaagagag agcgaaagag agcgctgggc ggcactcaag 120
 aatcgcgatga tcgagatttt gttggtaatt tatgggccga acctggtgga atttgcaagt 180
 cagatttata aagcaaacat gcctgaagtt gattaaaggt tttgaatcta catttctatc 240
 ttcgaatgcc atttaaagca gatgactctg ttcattctatt gtctggcttt ctaatgtgtt 300
 ttacaaacag cggatataca aaatttaaga gagcttcctt tacacatttc tcttgagctc 360
 tctttgccac atttatattg tttatgaaat gttatcggag gtcggcgggc gacgaacaag 420
 aagccagacg cccagttcac agaaatgttg ttttatatat cccgaaaaat agaatcacgt 480
 tcacctattc ctgataacat cgccagatcg ttcaccaggg cgttttgaat aatgaacgct 540
 tgcgacacct gagattacc tactattact aggcctaatt 579

<210> 632
 <211> 511
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 632
 cccgagtgtg agggaagaga gatttttaaaa ttcgacacac tatccgaaaa aagaggagga 60
 tatggacaaa tggatgtgca tatctcggag atacaatctc gccgctggaa atacccaaac 120
 ggacaaggga cttgtccgtt atttcattga gacagcccag aaagtgtccc taagtccttc 180
 cgtccgatcg tccttttctt attttcccaa cctgtaggta gttgagcaaa gtaacgtatt 240
 tttcgggtac taggcattgc gatggaatgg gatgggatcg gactctcaag gttagtcaat 300
 atgcattaat gccgcatttc gggaaatctc ggcaggctct tttcagctcc ttccgatcgc 360
 atttgtttgt cattgttgtt ctttcccgtt tcgaaggacc tgctctgttg aagccttgaa 420
 aaattttcca ccccgggaga agcacgttca gatagggatc ttccgaattt tgggtttttg 480
 gctcgggtta cgcattttac tggaattcgt c 511

<210> 633
 <211> 505
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 633
 accgggtcca cgagaagggtg tgtccgctcg ttcggctcgt tgggctgcag atggaacgca 60
 ttgtgtattc gtctgttgac ggggaaaggg gaatgtgcgg attacctgcg cacctggatc 120
 ttcgggtgcat tgccagcagt tgcagatcga ggctaggtag ctccaaacag agtgacata 180

ctccattcta aatgcaattg ttcaattggt ctttattttt tatgcaagtt tttctagga 240
 tggaattgta catattcgat aagatcagtg ctaccagact gcttaaaaca gctgtataca 300
 tacttggtat cgattaggcg ctaaatatta caattttaat cggacattaa attcatgggt 360
 tttcataagg gaatactagt ttattactta ctgttctagc gttatccttg gtttatttat 420
 tatgaaatac tttttattgg gaattaagtt gatttaaatt atactttatt aaatttgtat 480
 attcttattg gaaatcggca taatt 505

<210> 634
 <211> 262
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 634
 ccatgggtag tttgaagtac tacgcggtaa aagccgaaaa tcggaaaatc cagagggcaa 60
 gaacatacaa aactgcaagg caacgaacgc actaacacag cgacatccag acagacacgc 120
 actcgcatgc acacacatcc acacccgaga ggtttgcagt tttggtatct cggatttcag 180
 cagttgttac catcgttttg tagtaactac catgaccact gggaaagctt tcccctttcc 240
 cccctgggccc ggggaaggag gt 262

<210> 635
 <211> 210
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 635
 tgccgaggggt aagccgaaga gccaggggtat gcgtgctcac tttccagagt tgtattaggg 60
 ttgcagtagc tgccctgtga aagaggataa aatttgaatt ttaatgcaaa cagagaacgg 120
 ataaataatg aaatcgtctt atttactttt ggcacccttt tgaagcgtcc ctttttatat 180
 tttgcaccag ttttgcacat aaacagttat 210

<210> 636
 <211> 317
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 636
 gtcggaaccc aaaagatgct gccgcaagtg tgaccagatt cggaatgta aaaaaacaga 60
 accgtattac cgccaataat tataacgacg ttgttttagaa agaaaaataa aataattaat 120
 taattaaata cgataattta tggaggtggt cgattttcaa gtcattcaac atttcttata 180
 tgatcaacat gaactacagc ccgttcatta aatatgggta aaatataaac tccacattcc 240
 ttttacaaca attactttgc atattttattg ataatttacc tactgaaaca caacactatc 300

taatcgtcct tcaagcc

317

<210> 637

<211> 170

<212> DNA

<213> *Drosophila melanogaster*

<400> 637

ggtataacct aagggaaatc cgactctgct tcagaactaa taacagatca agtcctaaca 60

taaaaacgat caaaaccgat tgattatctt tgcacactcc attataacat ggctcttttt 120

agacataaat atcgggtgact tcagaattag ctctgtattg gactttcata 170

<210> 638

<211> 433

<212> DNA

<213> *Drosophila melanogaster*

<400> 638

cgatgaactc aaagtagccc actagtatgg tgctcgtgtg cgtgtgtgtg ctgttgtgtg 60

tgggagagag agggacgaca caaagagcgt atcaacattc aattgcattt ttaacttgtt 120

ttcgtcttgg aatttttgat tttctcgcgt ttttcgattg ctttttgta gcaacaatta 180

atttacaggg ttcgtatttt tctctttctc tcctgggggg cggtttccac aagggaaaac 240

tcgacgtttc cattgttttt ctgcaatgcg ggtgctgtta tcgtcctctc tctcgtcgt 300

taattaagga tttttgtgtt tgaattcacg ccactaaaa caccgacctt ttaaatacac 360

taactttccc ctttgaaatc gtatattatt attattaccc gagccttagc atacaaatta 420

ttaatgtatt gca 433

<210> 639

<211> 606

<212> DNA

<213> *Drosophila melanogaster*

<400> 639

gatcggataa tgaatgggag agagatatag acggaagcag cgctgcgaca gcgcagtgac 60

agcgtcgcag cagcagaaga gagctccacc gcgcgtttct ctctctctct ctctctgcct 120

ctctttttgt agaattggaa ttgcagaatt gaagagtctt ctcttaactg gcatatgtac 180

taacttagaa aacgattcac aacatatgaa taattgaaaa caaaagtacg aaagtatatct 240

ttaaggaaga tgaaatacaa agataaacgt gaaatttaag ttgcttagat tcaactaccc 300

tttcttctc tcggatcatc tcggcgatcc ctgcttgat ctccaagtca tcggcgagcg 360

aaggatcccc cgctgaacc cactccgct gcacctctc ctccaactcc ccgcgcgcc 420

actccaccac cgctgggtg gtgcgggcgg tggaggcgga aggcgtggct tggcggacgg 480

acctgggtccc agggcactca gttcatggca gcggccatgg cggctgctgg gccgagggga 540
 aaacgggaat ctccacaggc gatgccgggt ggtgggctga tccggcggtc tggaagggat 600
 gtgggc 606

<210> 640
 <211> 375
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 640
 gggcaacggg attcgcgttg tccaccacga cctgctccgc tcttggctctc tcgctcgctc 60
 ccctggtgct gttgctatct ccctccagtgc cgcatgcact ttgcatgcga atgctttgtt 120
 gattctttttt cttgctttat tttctgcact ggtgggtggg catcgagagt gccggcagag 180
 aggcaaagaa tctaagagat tgagaaatgc aatggggatt gagatgagag actgttgctc 240
 caaggaacaa caaatcggga atacgaaata cggaatttat tgccatgtct cctgctttga 300
 gtttatatttg gcccgctgcg agtaaagtgg caggggcagg tggagaaggg gttggggttag 360
 ccaggggggt gatgg 375

<210> 641
 <211> 435
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 641
 ctctcgactt tctctcaccg ctctcttttg cggctctcttc ttgcgcagca gcaccagcag 60
 ttaacggtgc atgttgaaaa gttctcacac aaacgtcgtg aaaatcgaaa tcgataagta 120
 agcaacgaat tttagctgcc cagaaaaaga ccacaaattt cagtgaaaac ccagcgataa 180
 gaatcccaaa aagtactaat ccagctgaaa aacaaccatc ttaaccggcc atgtccaaaa 240
 aaagtgttag ccaagtgttt tgaataacgt agttgggtgta aatgcttaaa aaaaataagc 300
 tagtccggggg ccagagaaaa atcgatacga tcccccaaa aaaagggggg ctgctgcgtg 360
 ggctgcccga gtgaaaattt ccagcttaaa aatagtacta gatttgagct tgaaagaaaa 420
 cccttgaatt tcctt 435

<210> 642
 <211> 790
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 642
 gggtgcagtt tttcccaacc acgctacgt ctctcactct ccatgccaga cattctctc 60
 tcacccaagc gctctccctc tcccgcgcg gcgctcttac cgctttcact gcctcccgcg 120

cacacacgca cacacaccag gccgtgcgac acacatagac atgggcagga gcagataaac 180
 gccatgtttt tcaaatacgt gccaggcgca ttcttttcca ttttgttcca ctttgctgcc 240
 aacgatacga atacgatccg ccataaccc cataccact tggctcgctc tcagtctcct 300
 ccactctcag ccactctctc cactctcacc gctctctcac tctcgcttgg ccgtgtttcc 360
 gacttcaccg actttgactc gctactccgg ctccgaatct gaatccggcg atatgctcgt 420
 ctctctatg ccgtacgttg ttttccctgt tttgcctgtt ttccctatcg ttgtcgtcat 480
 cccgttcatg ggaaagtga gtgaaaagt aaatgccacg aatgccggt gccagttgcc 540
 atccacgcac gcctcccgcc tttgttggtt ttgtcatggc tccgcatttt cggccacttc 600
 ggccgatttt tccggctgtc tttgaaccct tttaatgatt gctctttaat ttccattaag 660
 tcaatgccat tctgcagact gccatttttt agcataccca ttacaattta ttttaatttt 720
 tttaaattac ataatatata tttatataaa cattttgagc aaaaaaattc agtttaagaa 780
 atgcgaattc 790

<210> 643
 <211> 565
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 643
 cgcttatctt tgggagcggg gcaatctgtt tcagatgcgt aattgccgct gcatatttat 60
 agattccac attttggcga agccaagaaa agcggcgagt actcgcgatt tccccacgcc 120
 aatccaatta acattgatta gttgattttg cgctcgctgt cctggaggaa atttgcattt 180
 ttatagcttg tagccgtagt ccttgcataa ttccagccac gcgttgcttt taattaccaa 240
 aagtctctct cactttgtcc tgcagaggtt tttgctctcc tgctctctt gatttatcgc 300
 acttgacgca gcgcagtgcc ttccggctgga atcacacacc ctgtgttttg ctttgctcgt 360
 tgctgaaac tttttggccc taatggaatt tacacgagtt cttaacactt tccccaaaag 420
 tttcgaatgg ttttttggg ctccaggacgc cattttgtgg ccgagcgact aaaaattaaa 480
 acaataaatt aaggacatcg agcaggaggc ccaaaaatgt gttgcatact ttggggcaat 540
 aaaaggggga tttcattatg aatgc 565

<210> 644
 <211> 511
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 644
 gtttggtgac agaaaacaac atggctgaca cgaaaagtgt gacctatagt cgtgcagcag 60

| | |
|--|-----|
| aaaaaaatca ctccgaagac cacgggcacc ctgtaagcaa aatatgaagg ggcttctgaa | 120 |
| atgCGattta gttAattgtt aaaaacaatt ctaattcggt agtcactata tgacgtttat | 180 |
| ttaaaacaat aaagtaacca aacattttatt aaccttttaa attttaatat aatctatggt | 240 |
| atatgttgat attgcaagat tgtgctggag tattgaacaa tttctgcata aacaagtctt | 300 |
| aaatgtgcaa gtgctacaaa aaatTTTTTt ctgttaattt aattgttact gctaatttaa | 360 |
| gttagttacc atattagttg ggaattgctt atgttatttt atccgaagtc aagtggagcg | 420 |
| caaatgataa tcttatcagt tgcgcatact cgcctatgcg tatgatgcc agtgtgacac | 480 |
| ttggtggtat ttaattagca aacggaagaa a | 511 |

<210> 645
 <211> 558
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 645 | |
| ctccggccca aagcggaat gaatggatcg gatcgaatag accgatgacg atagggtcgc | 60 |
| ggcagagcga acaagtgcag aatcggaag gagcgtgttg tctatgtgct taatgcaata | 120 |
| ctttttctgg aactgtggg aaaaagacat acccttacca tttttttatt attgattgga | 180 |
| atattcttca taaaacatct ttatactgtt tatgaccagt cttatttgaa aatagcgctt | 240 |
| aagcgtagag tatctgctct cgtatagtta taaaagtgat caatatattt gtctagctac | 300 |
| ttattaattc ccacctgaaa cctactcgaa attacaaaaa gaaataacat taggaggctt | 360 |
| ttagagatca tgctcctttt ttttgtttcg ttaatcggtta atctatttgg ggatctttgc | 420 |
| atctaaactg ctgccgaagt atgtatggat gttacataaa ggacaccaaa ttacacctgc | 480 |
| ctaagtttta ataaaaagg tagttcaagt atcttacc aa tggcatactt tcgcgttctt | 540 |
| tcatgaagat gaattggg | 558 |

<210> 646
 <211> 572
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 646 | |
| catcatgtgc cagacaactg ctctggtgca ctgtgtgtgt gcgagtggcg tcggccagtg | 60 |
| ttgcaagcgc cgtccagatg gacttaaaat tctaattggc gtggcagcga ctcgagcaaa | 120 |
| acgcgcgttt tcatacttgt attagcacac ttgcacttta ttctagcttc aatattgctg | 180 |
| cgttaagttg atcctatata ctacacctac atttgaaaag tattcttaca ctttaacttg | 240 |
| aaggaatggg agatttccga cctgtataga aattttggat aatattcttg aacgcgcctc | 300 |
| aaaagtcaat ataacgtttt attatttgta aacttggtca agctgtatta tggaactttc | 360 |

catcgattat tctgtgatgc agatgcgata gaagactatc aattctgaca ccacgtcttc 420
gaggtgctaa gagatagatt gagaatcagt ttgaatatag tataacatat ctgtagggta 480
ctatatatcc tcttaataac taaacacaca aggcaggagt ggactctttg attattgtac 540
tttccgggtc agcttagcat tcgactgact tc 572

<210> 647
<211> 507
<212> DNA
<213> *Drosophila melanogaster*

<400> 647
gcatgaagta agaagcgccg agaaaacata gcgacggtct agtgaaaagt ggcaagcaaa 60
gcaaaagtat taagcacaca cacactgccg gtgcgcacgg acacacacag cacactcccg 120
caccaacaca ctagagcaag tgcgtgtaca tagagggttt gtgtggggca catatgtgcc 180
cgcacgatgt cgatactggc tcacattggg agtattttaa aagcgacgaa cggcccgcgc 240
tcgaaagcac gactgaaaac ctaaattgat taagcgaatt tgttctatca agctaattca 300
attgctcggc cagttgactg aatgatccac tgcaagcgca gcctttatgt aatcggaatc 360
agtgaaaaaa gcgaaacacg gcggccgccg aaggaatacg actccaggac ccgagtcaaa 420
tcgaatttgt ttgtggcgcc tatttacgtt aaagtaaaaa tcttggttgc tggggcaccc 480
gcttctcgaa cccttcccac tcaaagg 507

<210> 648
<211> 26
<212> DNA
<213> *Drosophila melanogaster*

<400> 648
gccatgacga ttcgaatgtc gaattc 26

<210> 649
<211> 412
<212> DNA
<213> *Drosophila melanogaster*

<400> 649
gcttgcgcca aaacttcgac tgcaaccgtg ggcacgcgg gagctatcga tccatcgata 60
cgatcgctga aagataggcg tcacacattc ctatcgatta tacttagcaa agactcgcac 120
cgtaatgcac agtgaggcga aatgttttct tttacttata gtatagtatt acaattaata 180
ataattttta taatttttga actaaatcat aagcgccgcg ggggtgttct ttattcgctc 240
tcaggcacgt catccaatac aaatttctaa ctacaggttt ttaaaccctc tatataaatt 300
ttttgaaaag gttccttagc cagactgag gtactacact ggccagggga ctttcggttac 360

agaattgttt ttataatagt tattccggag ttaacagata ctgccatgta at

412

<210> 650

<211> 492

<212> DNA

<213> *Drosophila melanogaster*

<220>

<221> misc_feature

<222> (1)..(492)

<223> n = ambiguous/unknown nucleotide

<400> 650

| | |
|---|-----|
| gattgcagat tgcagtacag ccgcgattcg aatcgcagct agttgttgga agttttgggg | 60 |
| caacagaagc gatcgaagg gctaagcagc agaatctgag aacgttttta ggcgcgcgta | 120 |
| taaacaaaaa gcagatcaca ggagggaaaa tgtataaata gcgcccccaa gtccaagcg | 180 |
| tgacgctata tatccctccc ttccctttc ccattccctt cgggccatcc ctctcctttg | 240 |
| gtattttatt tttaaaattt tgcagtcggt gatgttggtg tttttgtttt tgtttgggtg | 300 |
| aagtcatgtc gttgacaata tcaaggccag cccacctacc aaacctaatg tcctttgcac | 360 |
| agtaagaaaa agggattttt tataattatc cataaaacga aaggtcacga aaaaaatatt | 420 |
| gaaaagagct atcctttaca tcctataatg ctaaagctaa aggtgaattt agggttttta | 480 |
| gngcgacttt aa | 492 |

<210> 651

<211> 582

<212> DNA

<213> *Drosophila melanogaster*

<400> 651

| | |
|--|-----|
| gtttcgtcgt ttgtcgtaat cactgcgttt gcttttcggt cttccgtttt cgtctttttc | 60 |
| gaccaacaaa aggcgaaaac aacaacagca aatacaaaact gtttgccctt gttctttttt | 120 |
| ttattttttg cacaaccgca ttccgggttt gcagcaaaat taagaaaaaa tctctagttc | 180 |
| acttttaaga aagaaaattc cgtttaattt tagcatttta tgtttagcaa ttttaataata | 240 |
| agtcaatctg aacagcgctt gaaaaattcc caaatagtc aaatcattgc taaaagcgat | 300 |
| attatcaagt cacgattata gttatgtagg ttcatacaacc tggacaaaaa tttgccaatt | 360 |
| taattggcta aaatctatca agatgggtgg tttaaagata catttttagtt acttatcaat | 420 |
| atttttagaa gtaaataccg gggttaaatg tttcgtggaa aactagaaat ttaccccaca | 480 |
| tcattggcta taatttattt atagcgttg tatattttaa atagagcttt atttaaatgct | 540 |
| ttttggttct ttgataagcg tttaggataa tgagtaaata ga | 582 |

<210> 652
 <211> 528
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 652
 gatccgacca tgagaaattc tgcaattcca tttagttttt aacgtatgct tactttacct 60
 ctctgccttt gctataaaga attcgcaact gggatcaggt tttatgggta tcgtcttgat 120
 agatgcgacg ttaagtttgc caagttagac tcgtatatca gcaactagtt ggtaaact 180
 catcacaaag ttgatttgaa aatattttaa gctgtaagtt tgttcattgc gcatacgccg 240
 tgttaacatg tggtaggtac acccacatta cgcattcgca ccgtttgctc atagagctgg 300
 ggctttgata gataagaatc gggcccgaaa caatgtcatt agtccagtta acgtggcctg 360
 actaaacaag ctaatttccc agttaccaa tgcggcaat tttcggtcag ttattttgaa 420
 tggagtccaa tcatccgagc attaaacaat gtggcctctg caaagtttaa ctttattttc 480
 atgattagga gctctcagtg cccagtgtga gttattttaa taaccata 528

<210> 653
 <211> 446
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 653
 agcgggcttg tattttttaga gttaccagag tatgttagga aaataacgaa attaacgact 60
 accgatattc tatgcgactg atgtgtgctt togattattt ttattaaagc ttttgtccgc 120
 catatttgaa tttaaaaaat agaggggaaag cttgcaatta aaatgtttga ctgaagcagt 180
 ctgttccatt tttcaataat gccttattta ttcgacgttt tttttccaat acacttgaaa 240
 gatatcggac agttttgcat tttggtattt taaacaagat tacaacagag cgaacttttt 300
 atgagcggag ttactagaat ttaaattcctg caagcatcgt ttttccggaa taaaaataaa 360
 tgttttctaa gaaagttatt cggcataaca taattgggta agcccaattg attcttttct 420
 attggtcttg gtaatagtgt aaaaag 446

<210> 654
 <211> 403
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 654
 gtcgggctga tgacgcatcg ttcacctaatt tgaaattcga cacttctaatt tggaatttga 60
 atcaaccoga agttgcagcg cagttaatgc tgttggttcgc cttaaccagg cgccgcagtt 120
 ggcgggtctga cgatttgtgt gccaacagca aagatcttac atagtttcaa aatgtttatt 180

| | |
|---|-----|
| tgtttagttt ctaatctgta ttttaataatt aaaaaaaggt ttaaagaatt tgtgctttat | 240 |
| tttattagta gaaagggtttt tgggtttctgt aaatttttaa tttttcatat tttcgtacga | 300 |
| tcgccgagct ccactcgcat atatattatg tgcccgtggc acccccttaa tacattctct | 360 |
| gttcaataaa tattattacc tattgcccta ttttggttac aca | 403 |

<210> 655
 <211> 525
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 655 | |
| ggccagcccc cgcggccccc ttttgctatc tcgcttgctc gcatggacaa aatcaacaca | 60 |
| agttcacaca catacaggca cacggatgtg aactcacaat gacaaccact tcgtcaccag | 120 |
| caaataaaaa agtgctggcc ttaaataaat tgcgttttat gtaattccac tacattcgta | 180 |
| cgttacgaaa acaagcacta ttcataattac acggtataca ttattacttc atatcgagtc | 240 |
| caaattgcta ggcaggaaaag gtcttaaatt tttacgcttt atgggggagtt taccttgggg | 300 |
| ttcgacctga caaagaagtg tggggccgcgg cgagactgtg agaaattacc aagtgggtgt | 360 |
| ctgttatctt aatcccaaatt actctagaaa catttggtat actagaattt ggagatttaa | 420 |
| gcatattata aaatatattt atttatattt actaaaaatg cttcttaata ttcgaaaaca | 480 |
| ggtttttttaa tagccaaagt aaaggactgg gatttttttaa taaag | 525 |

<210> 656
 <211> 589
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 656 | |
| cacaggcgaa tgtcggaatg ataacagtca gtgagagagg ggggaaacac gacctcctcc | 60 |
| tctctcgttg aaggattgca aaaagcgaga gggagaggaa gacagataaa agatagaaaa | 120 |
| aatcaaccta cgagatagct cgaccaaaaa taaaagacaa accaacacga agcgaagaaa | 180 |
| aagcagcgag acgaaatgag agcgaaaatg aaaacacaca caaaaatggc aaaaacgaag | 240 |
| agcagccaag caagcagcgg aagaatgtgg aacatacatt tttgtcgtca agacggcgga | 300 |
| aaagagtggg cttgagaatt gagaattggg gaagaatggc cggtttgggg gaataccttt | 360 |
| cggctttgat tgtgtgcgtt gcgcgaccgc cctccccgtc catacaagta cgatagtgtt | 420 |
| gtgttggtgc gttgttgcgt gaaggttgcc agtttattta tttttggcgc ccatctcgct | 480 |
| ttggccccatt gattttgcac tgcttgcttg ccttctcact cgccttcttg ccacaccagc | 540 |
| acttgtttcc cttttcaaca attctaccat cttgaaaccc tataaatcc | 589 |

<210> 657
 <211> 528
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 657
 ctccctgtgac gctgcgatcat cataatcagc gtttgtcgat tcatcaaaga aaccgccgcc 60
 gggttgccttc tccactctct ctctctcttt tcttccattc aaggataccg aaagagagag 120
 atcgagagag tgccccctct ccttcacact tccctcatgg gtttcctatg taaatcattt 180
 aaaggggaaat tggtgcacaa ctttaacgag ttgattggag ggggaggggt gaggctaact 240
 gcttggtgggt tttcccgccg taaccctcat tcccccaacc cactcgccca ctttggcagc 300
 tgtcaattag agcttacagg gagaaaaaat gaaaaccgga agcttcatta tggtaagttg 360
 gcccttccac aaggtcttcc gcccacacag gctggtggga aaatgagatt aggggtggagg 420
 ggggggtaaag tggggggacc cagcttttat gggcctggta attgatgcc aagctgcca 480
 ccatatgctg atggaatggg ggccgttggt cgctgcagaa agaaaggg 528

<210> 658
 <211> 776
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 658
 ggtaggagat acgaatcgga tttgaagtgc tccaaacgat ttgaaattcg tatttggatt 60
 ggaatgcttt taatgcgtgt gcgacgcttc tgcgtcgctc tgaataacta caattttatt 120
 tattttattta tggtgaactc gcggattggg tttgtttata tggacatctg gcgggtggcct 180
 cgccattaat atttatcagc tgctgcacct ttcccggtt tgcagctctg ttgccttcc 240
 ccatggcgct gcataaatcg cagcaacttt ggcccgacac gccctcgaa cgccccgatt 300
 ttctctgaac tcgcttggt cacaagttcc aggtacaatc aagtttttcg cttttattat 360
 ggggagtata atatatttta tacggcttct atctgcgcc gtcttctcgc tccctttcca 420
 ccttttctac caatttatgg cggccatttt ggagaggtgg tgtctttgaa attttagttt 480
 attgcaaagt ctcataaata tttcaagagc aagttttttc gtcttcatct cgttcccgt 540
 cgatttataa acctggccaa tttatattag tctgcgagga agcagggcat tttatgaggg 600
 gttgaaagag aaatgtatca tgaggttcat ggactttgat gtgccagtct gtcacctgag 660
 tcccactgct cagtgatgaa aaagttcttt tgagtgttt atgtatgttc cataaacacg 720
 attgttcatt gacttggcgg tgaggcattt atagaccag tcaatacggc gaattc 776

<210> 659
 <211> 756
 <212> DNA

<213> *Drosophila melanogaster*

<400> 659

| | |
|--|-----|
| gtttcatcca aaattccgca ccccgcaactt gccccttgat catcaatgct gctttaaaaa | 60 |
| caacatactc aattggattg gatgatgtgg atggagaaaa ataaggggcg gtcattgtac | 120 |
| catacaatgc tataatttta tatattcgcc caaagttggg actacgcaat acacagtatt | 180 |
| cgtctacgct taaattaagc gatgactaca tacatatagc atccaaaata taccagttta | 240 |
| gcagattcga aggtcatttt atgtgtcatc ctaccatcaa tagagagctt tataatgttc | 300 |
| taaataaatt taattgtttt cgagaggaaa aatgctatta tattattgtg aatcctataa | 360 |
| acgagtagtt tgctaaaaca agtaaaacac agtttaaaat ataattttctt aacagtattt | 420 |
| tttaccgtgc attcgcataa acagatgacg cgtcagtttt ctgggggtata tacacatata | 480 |
| catacagtagc tccatttgct atatacgatt acaatgtgtg taacgtactt cctcttttac | 540 |
| gcacacactc ataatccggc ccaaccacc accaccacca tcgtcatcgg aggcaccacc | 600 |
| aattccggac tatggagcat tagcttcttt gtggaacatc cgtgccacgg aagtgggcct | 660 |
| catgccgtgg ttttactct gcagaaaagg acagaaaata agtcgaaagg caacacatta | 720 |
| ccattgccat agaacggact tgaaatgcgt tgagga | 756 |

<210> 660

<211> 630

<212> DNA

<213> *Drosophila melanogaster*

<400> 660

| | |
|--|-----|
| cgccgaccag actctcggac aaccagtgat gatctagcgg atgcgttgct gtcctcacia | 60 |
| tcgggtcaacg agagcgtcgc actattatta ctttatgata actgcgcgtc tcgctctatg | 120 |
| gtgcgttaat atgcctcggg gaggcctctg acattctacc catcactcgg cgtaaaagac | 180 |
| ttctgtgttg ccaattgtgg tccgaaatag aattccagtt tcgaacatga caggcgggtg | 240 |
| gaacaaattg actgaatatc gtagataaat agcatatata ttagctcttt attaggtaca | 300 |
| cggctcttggt gcgtgaaacg tgaacatgaa acctgaaacg tttacacgag caccaataaa | 360 |
| gaacataact agccgattaa ctaaattatt agtagcgcgg agaaggccct tgactcgatt | 420 |
| gatgagaagc gcgtagaaga accatcgaac tctcgagcgc atcaactcaa cgctcaatgg | 480 |
| catacgtgta ataaattcag agctctacaa attattggat aattaaaact gttctattgc | 540 |
| gtgctaaata gacataccat aaatcacaaa tttgtgcgat atgcatatcc caaatgtcaa | 600 |
| cttgcttcgt ggtgtgaagc cataaatata | 630 |

<210> 661

<211> 162

<212> DNA
 <213> *Drosophila melanogaster*

<400> 661
 ctctggtgtg tgtggggtaa catttatgtt tgttgttttt gatatgttct agctttggcc 60
 aagttaaatt aaaaaaaga acaacaagaa gtggagttgt acacaggaaa aaatgatatc 120
 aagtgccttt tcttctaata tatgtttatc ttttgaaaaa gc 162

<210> 662
 <211> 509
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 662
 acccacttac ctgctgctct ggtccgcgga tcaaagtgtc gtggcaactc gtaaagattg 60
 gttcactgtg tgtagctagt ggtacacaat gaaaatgcaa tcgaagtagg caataaatc 120
 gatgagtaca tatacatgtt tcttgcagct ttagcatact actttattac tttgtgttaa 180
 aggtacaaag tataaattca cttagcagga cttagataag gagttagata atccatattt 240
 ccggtgtatt tgggctgcta ccgattctgt gtgtttttat tgctgatttt gtcgtttcat 300
 cgtgtatttt cggttatagt gctctgcacg ctggagatcg agtagtcac aggctgtcgc 360
 taaactgggt tcggactgca ttctttgggc cacgttattg gcgctgcgct agctgctgct 420
 gctgctgctt ctgctagttt gagcaggctc agcgcaagtc gcctggctga aagcgaaatg 480
 atcatatgcg gtgcaatttc tatgaattc 509

<210> 663
 <211> 182
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 663
 ctctgcctga ttagcagtag cagcgtctag ttttctcgtg tattattgtt tctgctctcc 60
 gcgcgtccc gttgcctctc ctacacagcag ccgccttcga acgccgacgc tgctgcttt 120
 attttcgcgc cgctgctgat aaaataaaga acaatattaa tttaagttta aaatacgaat 180
 tc 182

<210> 664
 <211> 528
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 664
 ggacaagcaa agcgacaaga gcgagagaag aaccagttgt cgtggcacgt cgaccacatt 60
 ccacgcgaaa gaggtagatc tcttatttca ttcacatttc aacgttcgaa ccgtgtgttt 120

gtgtgtgtct cctgcagtga cgccggtgaa gacgtcgaat gagcagaggt ggtggcaccg 180
 actgcatgtg gaggccgagt ttggagatct ctggatgctt ggcgcttggc atgcgacacc 240
 cgaaaagacg aaataagaag ggaataaggg cacaaaaactt aaatacggtc aaatacccac 300
 atatgcatat gttttatata gagttatata gcatataacc atatatagtg gatccatttc 360
 atgaatgcat aaccaatctt catatacaaa tattacctat cagtaacctt aaactgtcat 420
 agtttaagat ggtttacata actgatacat aaaacaaact ttgcatggaa accagagaag 480
 aacagagggtg gcgcccgaatg cagggcccga gagagagcag agccgcag 528

<210> 665
 <211> 633
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 665
 atacagacga tcgcgacgc cggttggaa tcgaaagctt catctgtact gagaagataa 60
 aagaagtttg agaagttctt agttaaatat tttatgattt tctgaaaggc ttttcctttg 120
 taattacttt cagagcccta taaactataa ataccactca atgtggtacc cccacacca 180
 ggaactagca actttcatag atcgaaaatg cccgcaaacc cgactgtcaa aacaggcaaa 240
 caaattgtgc aaataagtcg gggaaatgtt atttatgccc gtaagatttt ccgtgattaa 300
 ataactaagg tccaggccag tcgcctcgcc gcttgtttgc agaatgacag cagttgcaac 360
 ttagccgagc tccaaatgtg tcagcatcgg ttgcatatta atggcccggg ggtgtgcatg 420
 ccaattgtca tgcgctgaaa tgcttgtaac aacgtcgatt gcttttggcc aagtcagtcg 480
 tctatatata cccagcacca gccccacccc cagccagaaa gcaaatcaac ttcacatcac 540
 tttcaaactg agcaaagcca aagtcaaact caactgaacc tctgctcttc cactttttct 600
 cttttaatca aaaagaagtc gatgcttctg act 633

<210> 666
 <211> 460
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 666
 gtacactctt tcattgccgg ccaaaaaaat ccatcatatc cgaataatta tataactaaa 60
 tatactacaa acgaattatt cgtgaatatt aaacctatct acgcagaacc aaaactacag 120
 taacaaaata tcatttggtt ttagagaaat gtttaaattt ttcctatttt catacagaaa 180
 taaagtataa ttgtagaat taaattttat tttctgtatt taaatcttat gctgaagtat 240
 tagcaaaggc tcacaccaag gttgctatct gtgctaacaa tttaccaagc actccaacca 300
 attgaactaa aaatgtaaaa ctatttcttt ttaaacttta acattaaatg gtcttacaac 360

aaaaaaatat gtggaacata accgtgaatt ggtttaatat aaaatttata ttttaataag 420
gtggaataag gcaagatgtc aagcccttta agtgccaggg 460

<210> 667
<211> 443
<212> DNA
<213> *Drosophila melanogaster*

<400> 667
actgcggacg tcaaactggc gagccagggc gcaggcgttg gttcatttgg cactttgtct 60
ggtactctcc cacatcggca tcttgcaatc tctttggctc agcatccttg taagctgttg 120
tcggagcaat ctgggcatgg ggcaactgaa aggaaagcaa ctttcccatt caggagcgcg 180
caagccgcag gaatcgcgag cgcagacaat tcagttcggc tttaacgtaa tggacggaag 240
gtttgaatat cgcttctcgc cccagttgta cagataaagt cccactgcac gcaatagggc 300
acttggggaag atacaataga acgccgacca gtggtgtgta tattaagggtt tggaatgctt 360
accaatgggg aattaagtgg caaaaatatt gcaactacga cctaaacgca agggcagtta 420
ataacttcgc cagcttttgg cca 443

<210> 668
<211> 524
<212> DNA
<213> *Drosophila melanogaster*

<400> 668
actgagagca tatttgtgca ccagagggct gcataacaac attctctttg tccattcgtt 60
atacttcgta ttcagaatac atgtcattca gttgggtccg ttctttttgc gttcacttcg 120
tatatatctg gcgatcgaat tgaactaact gaatgtgttc aaagaatgaa tgaagccaat 180
gaattttcaa tagtaattca gagggttaa aattcttcat gttgtcattg agtaaaatga 240
gttcggacag cgcgaaggta agtcgaagtt tgtgttttat tatgtttatt tgtattatta 300
tgtacactag tcggcatact tttgcgtgcg tcttataaccg tgtgcgtctt atttaacaat 360
attgtaaaat aaaatatata aattatttgt tataatgccg taggggcctt attttgggta 420
tggaatagtct tttggtcata gatatcatta ttctgaccaa gattggaact tttcaaggta 480
ttgcttctcg tattcaattc tagctgggtc tacgtacgcg atat 524

<210> 669
<211> 537
<212> DNA
<213> *Drosophila melanogaster*

<400> 669
cgcggacgaa tcgcgagcc agagaagcgg taaattcgaa ataaccgttt ggaaagagca 60

acatgatgag gttcttttatt cgttttttagt aaaatggtac aaagtgaata tgtgatttaa 120
 ttgataacca gcatgggcgc cgtcagtgtt aattgcgttc cgaattgctc tttcgaaaac 180
 gcagacacaa atgcacacac acaaagtagc ggcacccaca cgatcgcaat ggcaaaagtg 240
 ctgcagtgat aaaacaaatg cacagccata aaggcaaagt cggaaaagt ttcacaaatgca 300
 ctggcgggccc atgcataaaa atgtacaatt tggcgctctt tgcacttgtc accgtcgttg 360
 gaaaagcaaa aaaacctacc aaccaacaac aataggaaca taaactgaaa caaaaagaaa 420
 accatttttg cttcgcgctt tttgtttttg tttggaccgc cgctcacgca ctttcgcgct 480
 cacacgcaca aactttttgc atttggtttc ttcacccggt gcattatcac aacaact 537

<210> 670
 <211> 459
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 670
 gctgggcaca accgatctcg tttttttttt agttctcata tttttttgtg ggtgtagaaa 60
 agtttacgaa gtgcacacaa taacactccg taaatcggtt ataagttttt tgggccgtgt 120
 gattaccagg taaacacaca ctaaattgtaa gacctaatg gctgataaga tagctttcaa 180
 ttggcaagat cgcctttttca attaacatt ttatcttggg aatgacagta ttatccgtta 240
 tgaaatttta tctacttcac atgaagccta atatcatggt taaatgtctt cattcaattc 300
 atcagcttat ttacaatga ttaactgata aagatattat aaattaataa tcttgtttcc 360
 aaaccacgt ggggatgtaa gcaaaccag ttccgagcga aaccaattt tacctgggtt 420
 ctattccggt ttttgggcca tattcttcgt attggcaaa 459

<210> 671
 <211> 371
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 671
 cctctgccac aacctgcta tctctctttc tctctctctc tctctctctc tatgtgtgtt 60
 tctctggact atctcctctt ctgaacttc tctctctctt tcttcacaca cctacaccaa 120
 aaaaacacat acacacaact ggactggacc tggccaaatt gaatgaccta cattcaaaaa 180
 tacaacaaaa tacactgcaa aaaattattg tacctgacca cacattgaaa ccatgtaagc 240
 ggtaggccag cgcttttgaa acgagatgct atagtcacgg gaccgtccac cagatatgcg 300
 cagcgggtaca tcacgcgcac gcaccatata agctaagagt tttggacaag tcaactgaaat 360
 gtacagaaaa c 371

<210> 672
 <211> 551
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 672
 ttctggccag gccaaaacaa tcaatgcgga gagcagacag tcgaagagag agagcgagcg 60
 aaaaataact aaggggaggg ctgccacctt ttcttttcat tgtcttcggt tcattaatac 120
 cccaaaaata tctcgtgcgt tgtgttaacc ttagacagac agctgtattt atttttaagt 180
 agacaattat tttatttggt gcttggagga aaagtttggt taataaagct aacgcgacaa 240
 ccctgaattg ctctggcaac tcccagctgt ttgcttactc tccatggagg caaacacttt 300
 gttacagtgc tgcaaaactaa gctatttcca agccaaatct ggcaactcat aaaagaaggt 360
 ttttgcaaat ttcaaaatta ttattgtaat aacttttagaa aattagcatt ggtcagctga 420
 agaaattaaa attaaaccta tatgcctagt ttgggggtta aaaaggtatg gttaatttta 480
 attttacctg caaagggatt tattacaaag gttaaccctt agttatttat tcgctaaaag 540
 tgttgccaac g 551

<210> 673
 <211> 382
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 673
 gtgccagggtg agaaaagtgg agaagtgttg gaaaatactc acgaagctcc gtgagctctc 60
 aaaattagac ttttagcaaa ctgtacaaaa cagcaggggt gtcatcacgt gtcacaatat 120
 agtgtcagaa gaatcaaaag ttgtagcaaa caaaatccga cgaatatttt atcactatcg 180
 ctaacaaggc gttcgatatt gtgttggtgc ttgcaaataa tctcttctaa taatatcaca 240
 cattgttgct agtgggtcaat agccgaattt tcgaagtcac ttgattcata ttactcgta 300
 aaaacctgtg acgccgctgc tatttctatg attagtcaaa gcaactaaga atactacgaa 360
 tatttacatt ctgatcgaat tc 382

<210> 674
 <211> 515
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 674
 gagtggccac aactgaaagc aaatgtagtg agaggtttga gagagagttg catcgaagag 60
 aagaggagcg agagagctct tcggtatatt taattcataa aaattgagat acaatcgtag 120
 tcgcggccat tgtttttctt ctttgggcat cgccgacaaa gaatttacta aagattttta 180

aaagcattta atatgatttt aaattagatt tatctgttta tattgtttgt aaaaaaggaa 240
 gactaattac caaatattt acataaatta ttgcaagttt agacttttat atagacatca 300
 tctcttcgat agtctgctag acttactgaa ttagtaaata aagtaaactg caccataaaa 360
 gagtagcttg aaaataaaga gattcttctc aaactcttta agtctatgtt cgaaaaggaa 420
 tctctggatt ctgcattaaa cacgaacaaa atgcatgaac tccttaaaag tcccgaatta 480
 agtggagaga gaaacctggc ttaaaagaga agaaa 515

<210> 675
 <211> 513
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 675
 gcccggactt tacttacttt ccgttaaacg ccatcgattt gtttgacgga aaccggttcc 60
 cattgtgcc a ttaaataatta atttaacttt gtggtcagtc caccatccg taataatgaa 120
 tgtcggtttc ataggactag ataatagaca attggagttg taaaaacttt cataaattgt 180
 agtgaagatg ctatgaacca tctaaattgt cacaatggtc gcaatacaac agttggaaac 240
 actaaaaatg gttacatttg ttaataaatg aaatcaagag ttagttatat gtagatagag 300
 taaacctgga aagatttgct gtatacggat tattcatcta cccagtatca cgtaaccag 360
 tatttttgaa agccccttag aaatggtttg ttggattggg ggataagaag aaaccagaaa 420
 cacagtcagt atcttttttag ccaggaaaca tgacgcgagc cagcaaagcc gcagaaataa 480
 gaagccagaa cttgacagcc accgaggaaa ata 513

<210> 676
 <211> 549
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 676
 acctgtagca taagcatcgt atgatacatt caccgcttca gtcaatcaca gttttgttcc 60
 caatacaaac atgcgcatcg cggccaccaa agtcaaacac tgctggcggtt ttacttataa 120
 acagaaactt ttggtccttc gatgccggtc ggccgcatat ctcttttgat tttcgataat 180
 ggtactttat tgccggtttg tagacggtga tctatagaat cgtatcctat tctcgtcgcg 240
 catgcggagt gtgatttaac agaggagcaa aatttttcgt gcgtataatt atgccatcaa 300
 gtttttgatt tgtccaagca ttaagtagtt cgttttgcgc acctgcaaga caattatatg 360
 ccttccatga ggaacaagat tggggaaaac cctgacgacg actttgctcc atatgaggag 420
 aaacattact ctacatgggtc attctaccgt agaattacgg caagggtgtaag accaaatgga 480
 cccgcaccgg tattcaactc aaataccgcg agagaaccag gtgggttgag cgaattaact 540

ttccaactt

549

<210> 677
<211> 339
<212> DNA
<213> *Drosophila melanogaster*

<400> 677
ggccgcggtg agaaaacacg gacggcacac agttgcataa ctttgagggtt atgtgtgcgc 60
ccagtggaat ttactaatta aatgcgagaa atttgtgaatt atcgtcagc atctgtgcgt 120
agaatttagt gagttctttt atttgcagtt tcaaaggcta tcccttcatt gtataacacc 180
tgctttcagg tctgtggtgt gtgtctttga ggtagaacc ggcgaaagct ttccagtagg 240
gcgttgaaaa atgagagggg tgcggggtaa tacaattga caataattga cattgtttat 300
aaaactatag ttggtaatat cgggccacca acaactatg 339

<210> 678
<211> 582
<212> DNA
<213> *Drosophila melanogaster*

<400> 678
tgctggccgt gcttcttctt cttcttcttc cactcagtc aattgctgtt ctgacgttgt 60
cggaaaaatg tgtcttggtg cttttttgct ggctgataaa taagctaaaa tatgtactta 120
cccactatth atgctagaga agtggttgga attgtattta ttggcaatag attataaaaa 180
atatcgctth aactggcgtt attccccgta ctaatagtag tatcgatatg gactactacg 240
acttacatag atatgtcatc ttggtactaa agattttctg atggctattg ttattcaata 300
ttatacaggc caaatagata gattgagtat tggtattaca gatgttttga acataggtct 360
gcctgggtta cattgtttat caaaatttaa taaggaaagg atcaaagaat atgggtcaca 420
ttattatgta attaaaaagt tctcaactca aaaccagggt cataggattt caactatgct 480
atgcaatagc taacgtataa aatgccagcc tatggcctat ttggcgactg ctttggtagt 540
agtatcgta gtgggcatgt tttccaggcg ctctgcgccc aa 582

<210> 679
<211> 323
<212> DNA
<213> *Drosophila melanogaster*

<400> 679
cccaggccag cagcaacca gggagcatcg atcaacagaa cgtgaacatc cagaaggccc 60
aggtttccgc aatcatgagc ttctccttga tggcccgatc agatggcgac gagaacaaga 120
cgaacaacgt ctactacatg cgacgttttc tctcagccc actatttaac cacatggtgg 180

gtactgagcg cgtgtcgtcc gaggatacga tattggccat gatgcgaacc cattacaacg 240
 tggaacatca gatccccgaa acagagcccc cgttgaagct gcacaaacag atcgactttc 300
 ccgctgacct acgcctcgaa ttc 323

<210> 680
 <211> 521
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 680
 acacaaacgt acatacgtat cgtaagctca cagtaacttg tgcaaaaacc acaacctata 60
 aagtggcaac gtgttgcaag acagttgtcg atttgtagtg gggaagaggt tccgtcaagt 120
 tggacgggaa gaattatggt caaacaggtc actgatacgc gatggaacca cagaaacata 180
 caaatttcag atcagtctac acaaactggt gtaaaactac aacttagata tgatcaaaca 240
 agaaacaccc ttacattggt gatatacgag acgaccatat cggccatttg gtagctgtgt 300
 tgtaatcttt cgaccgctgt agtgagtcga ttgccttcac agagtcaaata ataataaat 360
 tttcacagcg acgtacatat gagtctgtta gtatgtcatg aatgtggaag ataacatatt 420
 aagaaaatta aaacgaatca acacattaat ccaatgtata ccttccatct tataatatca 480
 aatgaaatat ggttcacaca atacatatat ttatccaagt a 521

<210> 681
 <211> 722
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 681
 gcccacgaca ttcgacgtcg aacacacagc gctgtcactt tggttcgacg cgttcgttcg 60
 agttggcact gaacatctga ttggatcccc aggtgaagtg tgcgaggcaa cggcacgatg 120
 ctgctcgttt ggcgcccgtg agcgacgctt gcgtagagg agcacagata taggggtccgt 180
 agcacgaaat tcaccttcgc gcgcttttca caatcttttc ggtatttaata ttaaacaatcg 240
 taagccgtgc ggtattttta attagctaaa gtttagtaac gaaacttaac agcaagctaa 300
 cttcaattag gaaatatttt tatattctcg taaatgattt cagttccaca aagtgtttcg 360
 atttcaaaaa taatttgcatt aatattgatt ataattaaaa gattatgtat tttctttttt 420
 aatattttgt ttttatgcct taacacacaa tttttacagt aattatcttc ctatgatgtg 480
 acgtcacgtc ataccatac acacacgttc tccattcgtg gacaccaaca caagcgaaga 540
 gtacattcac gtttttcatt caaacattac tcgaacagcc ttcttagttc gacgccactc 600
 tgcgaaaaag tgcgaaatac agagaaaatt gccctaggcg cctattttta acttgttatt 660

gccgcagaaa tgtattccaa attaaaaggg ggattccatc aaaaattaag tcggtaaaat 720
tg 722

<210> 682
<211> 860
<212> DNA
<213> *Drosophila melanogaster*

<400> 682
ccagaaacag aaactgagtt tcttgctaaa actcagttgg aagccgaagc gagttcgtgt 60
atccgatgga tactttcgtc ggtgggtggat tttctgcggg gggtgactgc gtgttcgagc 120
aacattgccg cgactgttgc aacatgttgc ggcagcagag agaggtgcca ccaaatttcg 180
gtttgcatcc ccgagcataa aaacgtgcaa tttgatccag gattcttcaa cctgtaggat 240
attcaatctt tggaaacttc gaaagtcttt ttcttatcag taaatttagt tttgcagcac 300
gctttgcatg ctcaaagatt taaatcgact caatttatta aatgtgatat ttatataatt 360
ttactactat ttattaaata aatgttaaat aaatgtgtta tctgtgcatc gggccaacac 420
ctgtaatcgg aattagtttg cgaatctaaa gatgggtgaa cattatccct tacgggtaaa 480
acttgaacat aaaattgcta acttataaat ttacatgtgg tgtattcatt tgtaaatatt 540
aataaataat attccatata gcctagtttt tgtgtcccac caataataat tcattttctg 600
ttgaacgcct tggtttgaaa actaaataaa caaacaaaca tattatttgg cataattaag 660
cgatagtcta aatcaacgca atttatgttc agaaacataa tatgctaaaa agttcactgt 720
caaaaccaaa aatggtagta caccattaaa accgaccaa ggaccgtttc catgttatga 780
tgaggtttca agtgtcaaga ctgttaaggg aatagtttca attcgaagcc ttagggatga 840
atcatttcca tggggaacct 860

<210> 683
<211> 570
<212> DNA
<213> *Drosophila melanogaster*

<400> 683
agctgtactt cagtagacat ttttgttcga aactggtttt caagtacgac gcttacgtcg 60
ctgtcgacgt cctcgttggc gatttatgcg ttgggttttg agttgtcca agttttgctg 120
gctgttgcaa ctttcgtctt attttgtttt gttttatatt taatgtgatt tatgcatgtt 180
cctcaatgtg tgagtgtgca aaaatacttg aacgaaatta ttgcagcttc tttttttcgt 240
acatttattt ttgtggattt tattgttggt gttgtcgcga gcgttgacag tgcagcctt 300
cgatttattt ttaatgttta tgtctgtccg attgtttatg atttttgttg ggttttttgc 360
ttacttaatt ggcgattaga taaatgcaa aaacgcaacg aagccgatga caatggaata 420

gatcgactg agtactaaat ccccgccatc ctcaactcaaa ggcctctcca tgctgttctg 480
 cctccgtgac tgcataaatt tagtttgagc aaacgcgata gataagatag caagcaaaca 540
 gaccgcagca atcgaccgaa ccgtcagatc 570

<210> 684
 <211> 485
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 684
 caccaggata ataatcactc tcaactgaga gcaactgaga gaggaaaagct ctaatgggaa 60
 aagctctcgc cagctgaagg gaatttctc atttcgctta cttttcaatc agaaagagtt 120
 tatccttcgt gcttgatgga cgcaacgttt aattcgcgct tgttctgtaa aacaaagaaa 180
 accaaaaaag taattttcaa tcgcatgaaa ctcatgttta ttgaactccg tttgttttcc 240
 aatttgttta accccaattc cgacgctcgt tgtgtgtttt tgtaacgaat gcagtgaata 300
 tcaagtgaaa acgtacaacc agaccttggtg cacatatata ttatatgggtg gtaaccaaac 360
 agtgcttctc tatttggcgc ctaaaaacgg aaggatacct cgtggcttaa atcatcagct 420
 ctaggtaaaa tacatcctcc gaaatcgtgg ttgttgcatt gccgcttttg tgtaacatcc 480
 cgagt 485

<210> 685
 <211> 22
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 685
 ctccggccac acggatgaat tc 22

<210> 686
 <211> 378
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 686
 gcttgggcta taattattta acgttgccctt gtcactgtct gtcctctttt ccgctcctgt 60
 tccctcccca ctgaatcctt ttgccacctc ctgcgactc ctgtttctgc ttccttcttt 120
 agtttagagc tcgcgcgcgc tcttgtaata atattttaaa ttaattacaa caaacatgca 180
 tttgcttctc tgcgctgggtg tttgtgcccc tgtttatctg tgtgtgtgtg tgtgtcagtg 240
 ggggtgggtg tgggtgtgtg caaccctcg acgcgactgc ttgtgtgtgt gcgtgtgggg 300
 cgtgcttttg tgctgctgcc tgttttgtat gaaaagtga ttaaggcgaa tttagcgcgc 360
 gtcgggctca cgttccaa 378

<210> 687
 <211> 504
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 687
 ctccaacgat taactttaca tcttttgtat gcacgtcgtg cgcttcgatc ttgtttattc 60
 ctctctcttt ttatttgtct atctctgccc ctttccacgt gtgtgtatag tgcttttttg 120
 acagttgaat gaacccaagc atttattaaa aaaaagaaaa aaaaaactaa ataaaagcta 180
 tcacatacaa taacaaacag aaagagcatg caagataaac gaaaaaagct acagttgagg 240
 ataatgctgt agttgtactt ggatacagtt gggaaaagca gatggagaca agaaaatgat 300
 taacccattt gtttgagaca ttctattgta atttagtaaa ataaatattc agcattactg 360
 atactgcatt tttccccaga ttgatcccca caatattatt cttttaattg ggccgtttcc 420
 ctaaaatgta tttaaaatgt tttagcttgc tttgaaatgg agtttaaccc gtgtattata 480
 ttatacagtt gttcatttga attc 504

<210> 688
 <211> 427
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 688
 aatgagtgtg tgccgtacga taggtgggcg gtgagcaatt gcacaggaag tgcccaacag 60
 agaaagagag agagagggac agcgagagag attgctacag agcgggagag agcctggcaa 120
 agtgtgagag aaagcaggca ggtgagagaa gatagtgtt acagtgggtg gatggaatat 180
 tgagttacct ggtgattttt ttagccttga tattatttta aataatctag ctaacaataa 240
 ataagctgca atattgaatg tctatttatg ataatgaaca aatctctttc ctttttccga 300
 gggattactg taaccgacat agaagatgtt ataaaatcat cttttctcac catttttctt 360
 tttctctcaa ttcgctctct atttttctct cggtggcggc gcccaaaaca gctgcttggt 420
 gtttatt 427

<210> 689
 <211> 157
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 689
 gtctgcactt tcatggcgga aactcgaaag cgaaacaatg ccataaatac aacaaacaca 60
 cacacacaca ctcacggtcg ccgaaactaa aatagataaa caaattcgga aaggaacaag 120
 gaaaaacttt tacagaatgc gagtgcagag ggaattc 157

<210> 690
 <211> 408
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 690
 ggggtgaacca ttaattcaaa tttgcagcgg ttttggtgag cgggagaaga gaggggaatt 60
 gagaagagaa agactgtaag cgatttacta tgatctctat aaaatatacg tataacttgga 120
 gtttgagcaa ttaagactc caattatatt cgatatttgt taatatactt ttaaaatgtc 180
 ggtttctcat gcattttaag gaaagagaaa aacgaaagag acaagagcaa caagtttcga 240
 aagctttttt accagatggg aatgcctcgt tctcactgcc agtggttgta aatcaaaaaa 300
 agcgccaata ttgatgttct tctctctctt catattgctc gctctttccc acccttttgt 360
 ttaggggtggg caggcggcaa acaagtttac tttgctctgc tttttgtg 408

<210> 691
 <211> 455
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 691
 cgacaactaa tggatgagct ttgctccgc tgctctgcct ccctctcatg cgcctcttcg 60
 ctctttcgcct ctcttttttg ttggtggcga ttggcgaaat tcagtttgga atttcgtttc 120
 gaagcaaagt gcaatatgca gagcgagtgg agtggaatgc atcacacgta cgcactcaca 180
 gatacattcc catgtattgc aggcacccgg aagttaacag atacatatta attgcacttg 240
 ctccattaag aaatcacaaac ttttcgattt gatggtcgaa acataaaaatt gtttttactt 300
 gttatgttcc acttttgact tcttaaacgg cgccaatttt gtaaattaag agttattctg 360
 aacggaagca aaagctggat ttccaaaaaa tcagaaacca attgatcgat ctttcattta 420
 gaagcaatta cagcgttact tttccaaatt gaaat 455

<210> 692
 <211> 686
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 692
 aaccagaagc agaagaagaa gaagaagtgg tgtggtgcgg cgtgttggtc gggcgggggg 60
 gagtgtaaca gggagagaga gtgaaaggag agagagcggc agaaaggcag ggaacgaggg 120
 cagcaacagc cgctgagata caaatacaaa tttcatgacg ggcaagccgg cgttggtcat 180
 gcatttaccg ctagttcatt ctatgcctct ctcattcgct gtgcctgtgt gagttgggtt 240
 ttcttcattt gacgtactca aagcactcat acacacaaac acacacaagc agtggaacac 300

| | |
|--|-----|
| tcaaaacagc aacagcgcaa atagaagtag aaaccgggaa agtgagacaa gtcgactttg | 360 |
| agatacctgg taaagtgctg cctacttcag gcgttttaaac accatatcgc tatttagaaa | 420 |
| aacgttattt cacattattc agaaaaaaaa tggtatatta agtaatggga ataaatttag | 480 |
| gaaaccttta gagttaaaaa tgtcattccc cttatgtcga tacaatgcag tatacccgtc | 540 |
| tgctctatta taccgggtat aaaaaccacg ccaccaaaagc gaatgagaaa aattacttca | 600 |
| accaacggaa ctacactgaa caaaaagaac agcgaaagga agacgaacag gcttgtttgg | 660 |
| gcacggccaa gtgatgaatg gaatgg | 686 |

<210> 693
 <211> 927
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 693 | |
| ttggagccca tctaattttt ctaacacatt tgatattccg aacgggtgcc gcaaacgcca | 60 |
| gttccgttgg cgcacgcgtc atgggagccg cagatccgaa tcgcttaaata tagcccgcca | 120 |
| gtcgccgcct tggagcgtgc tgaggcgctt gggaaagatg gtgactcaat tggatattcc | 180 |
| gagaacggcg gacaaaaaac cgcattctta agtcgcacac tgcaagtaat cgccatgtaa | 240 |
| acggcatctg acgcaagtcg tgcttgaatg ggatctacct ttgtgtgctt atgtttatgg | 300 |
| cccaaagtgg atggtcgttc gccatggaaa aacgggaact tcttagcaga atgcatttta | 360 |
| cttgggccat atctactcat agcatagcct ttcccccgaa ttatgcacca atgactgagt | 420 |
| tgaggccatt tcgtagaaac atcagctgca ctgttgattc ataagaattt ctttatcaat | 480 |
| tagtacgtaa taaaatgcaa tgaagggggg ctgtgtaagt agataactaa attgcatgat | 540 |
| gatgcaattt tgtattattg taatgcccac acatatctgt tctaaacaat ctaaaattct | 600 |
| cagaaatcaa ttaaactctc aactgaacaa accatttcaa tatattacga ttgcatcaaa | 660 |
| cttggtttaa tctacttgca tacttttaggg gatctattaa gcttgtggtg catatattta | 720 |
| ggagggttcc aaattgtatt tttatgagcc taagttaatg tatataattt cagcttccac | 780 |
| tatcctaataa tggttaattt gaaatccatt taagcagtaa aatttttaag ttagcaccgc | 840 |
| gcttaactaa cttcattaat tactttcagc gaacgggtta aagggtaccac ttaattagta | 900 |
| aacatggatc atccgttggc tggaaaa | 927 |

<210> 694
 <211> 355
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 694

tgtgagactg ttgcctctct cgcgctctct cattggtctt cccctttttg ccgcatcatt 60
 ctgacagtaa ttgtgtggtc tctgcttcac acccacattc gccagggccg cgagaatcat 120
 gcggagcata cgaaaatcgc tcagccggga ttttccatgc ggtttagagc ggttttatgg 180
 acttttcaca cttccgattg tttgtcattg cttttgcgct ggtcaaggag atattttggg 240
 atgtgtgaaa ttccgtgacg gataacggaa gtgtggaatt acttaaaaag tcaaggtgca 300
 aattggcatt attaaaacga aattaagtca agggagttgc atgtgaaatg aattc 355

<210> 695
 <211> 201
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 695
 ctccgcgctt tctgcatttt cctctgccac cgcgatgtc tctgtcgacg tctctgccga 60
 cgcagagaat cctcctcgt gttttggttt ttatttacca tacgcgcact tcttcacca 120
 ttcccattct cagcgtgcac tgataaaaat aaatataccg aaaaatccca cttctcata 180
 ttaatatattt ctttcgaatt c 201

<210> 696
 <211> 114
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 696
 gtctgtcagc tttgtgtcgc ttcattggcg cttgactcgc cggcggtttt atttgccata 60
 ataatgtgta tagtagtga tggcacactg ggcaacaggt ttacagaaga attc 114

<210> 697
 <211> 696
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 697
 aatcaatcgc aaggggtgcc caaaaacaaa caaaagtacg aaaatagagt gccgcagacc 60
 acaaacaaat cacctgcgcc agtgtgtgtg agtgtgtcag tgtgcgaaac aggcaagctc 120
 ccaggcgggc tcccaccac aatcagtcgg ggaacacgtg ctccaaaata tcaacaaaag 180
 ttggcccaca aacataaaaa agggggccgc gactgcatcc gagacccgaa cgccggaaca 240
 caaaaggcac tttcaaattg gtaagtactt tgcgctgcac gagcatgttt tatttatattg 300
 ccttattggt caaacacact tgcgattgcg gtgtttgttt ctctttcccg cgtcacgca 360
 cagtggtcgc ttttgttata attgtgagac ttgaaaacga tcgccgtaaa attcacattt 420
 ttaacaaaat atttactgtt cgaaagaggg gttttttgcg aatcgatgat tagttgacgt 480

gttattatga gaaaaacata aaagattata ggacattatt tttttaaaaa tggtagcaaaa 540
 atgatttaaa gtttgcgatt tccttggttaa atacatgaaa gcgtatacag gtattactat 600
 taccaaatta taacgattta atatgcatat ccttattatt aatggctctt gaaataccct 660
 aatgtaaaac tattaagca atgaatacat tattaa 696

<210> 698
 <211> 786
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 698
 tcttgccaa acaacgcgag cagctgatgt cgcattggtg gaaaatgagg gtggcgcgag 60
 tggaagttgc catatcgctg cgatcacaag cagcaaatat ggaagattaa gcggaaaacg 120
 aaagacaaaa taattacaat caaacaaccg aattataaaa agaaaatggg ttgtcctccg 180
 agttcgttta aatatgctta tctacgtatc aattaaaaaa accgtagaaa gaaattcacg 240
 attcacccta atctagctaa gacaccaacc aaaaatttcc gatttacttt cagttgaagt 300
 gtgtacacac ttttcttgtc gatgtttgaa gcgccattga aatgatcatt tgaatgtttt 360
 caaattacca catcattaca ataaattaaa ttgcttatta tttgattttt actgggaaat 420
 ccgtgcaaat ggaattacaa ttcagctgga atcgtcaaac ttacaacata aacttattgt 480
 tcttttcgga caaatgcttc gaggagcgct tggcgtcaag gaagagcgag tgcacatcct 540
 cgatatcatc cttgctgac tggttgctgc cgttcacctt gcacatctga tgagccgggg 600
 tcagcagctg gacggcgtag cgcagcgtgg agctgggttc aatctcgctg agacgtgtaa 660
 atgcgttctc ctccagctgc agtccctcgg tctgggcgcg caacttgatt atctgctcca 720
 tgtcggcagt ggagtagagt agtgtgcgga tgatcagcaa acgatcgagc agatctagcg 780
 gaattc 786

<210> 699
 <211> 574
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 699
 cacaagctca acaagccagc agtccccgt ctctttcgcg ccatgtatgt gcctctcttt 60
 ctactgctgt gcctcacttt gtccatgcaa tctgaagcgt tgacaaaatt gaagtaaaaa 120
 aatgcataaa atacttgtag gcaaataata tccgaaacta ttataaaatc tatgctcaag 180
 tctacattcc tgtatactaa ttaaatacaa taaattactg cagtgcgcag tgtgaccatg 240
 ctaacgagca aagggtgtaac catgccacaa aattgaacgt caaaaaagg caattatatt 300
 gccctttaat ttaaataata tctcaaatgc cagtgtttct attgaaaaat caacgttagg 360

| | |
|---|-----|
| gacacacaac ttctatctgc agtcatttca cactttattc caccaccca cacaagtaat | 420 |
| attcaagttc ctttgaccgc agtcttgaac ttttcccttc acctcccaca aattaggcag | 480 |
| cttgaaagcc aaaaggcggt gattgatttg aataaggttt cagtaaggcc cgagaaaagg | 540 |
| tgcaatgat ggaaaaagtg acgcccgaag gttt | 574 |

<210> 700
 <211> 621
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 700 | |
| ggcaggggtg ggttggtccgc cagagccgag agagaatcgg cgagagagtg aaaggaaaga | 60 |
| gagggcgctg ttggtgtaga gagattttcg gcttccagca tcgcaacgca acgctctgca | 120 |
| aaaaggggtg agtccatttt tcaattccaa tgatccacaa aaaaggcagc ctgtctgcca | 180 |
| gcttctctct ctcaatctcc atctccgggt cegtttccat cctcttctcg tgcccacgca | 240 |
| caatgcaaat acttatgttt tattaaatcg ttatgccaat taaggcaatc gctcgtctcc | 300 |
| tcaatcttcg ttctttcatt tttttcgcag tgtaaaagag tcagcagcag cagaagaaga | 360 |
| agaagcaaca gcaatgcaat tatgcagcct gcgtgtgccg aagtgtggag tgtatccaca | 420 |
| cccttgcaaca agaagttcca gagagagaga gcgagagcgg gagaattgca ctggaaccga | 480 |
| gtgagcaaca acaaagggcc gtccactggt gtggttggtta aatgccataa ttgccggggtt | 540 |
| attaattaaa acaaaggcag ctataaaacg taaaaaatat aaaaacgaga acaaaaaact | 600 |
| tcattttctt ccacatacac a | 621 |

<210> 701
 <211> 366
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 701 | |
| gtctgtactg actgtaccca tattatttgc gcgccaagct atcaagttat caagccgtca | 60 |
| acttttatct gccaacgacg gagaggcctc tttggcgaac taacttaatc tacaacggag | 120 |
| catacaaaca cacatatgta catatataga tttgtatata tacggttaca ggttacgttt | 180 |
| acgggggcatt cgaagtacaa ttacggggtg tggacacacg gtcgtagaag cagctaagca | 240 |
| aactgaaagc tgaggcccct cgagaacatt tggcgatagt cacattctat atacatacat | 300 |
| atatacaatt ggacagctgg atttagataa ggacctaatt aaatgccatt atggttccaa | 360 |
| aataat | 366 |

<210> 702
 <211> 469
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 702
 cttcaggctg atcgctggac gagtttagtt cgcctagcca cgcatttgct acacacacgc 60
 acagattggc ttgggttgcg taagtttggc gaaacgatat atagccatat agcgacggct 120
 atagcttttg cctcagattt tgctgtagct tcaggtagac atacagctgg ccatggctgc 180
 ctcacgacca tgcctactaa gcatcatgac gaaatcaaata cacaacacac ccccgttcga 240
 tgcggacttt aattgaaaaa tcgggatttt cgccccagtc ggatcattta cattcgactt 300
 tgtttgactg cgaaatccta tatctagatg ctttgtcatt cattctatac cgccaggcat 360
 gttgacctgg gtcgcgccgc gtaaacattt tcaaatttgc caaacatatt tataaaatcg 420
 acccatgggt atggttcccc ataatcgaat cgatctcgca cgagaattc 469

<210> 703
 <211> 963
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 703
 ggctcgccta cgtcactttg tcgtgtgtgt gcttagacta gcgttgccat gtcgcgcgaa 60
 ttacgaagac aggaacaata aataaatagc agttaaataa atagtagaaa atgccatata 120
 aaatatatgg gaattgactt taaattacat ttttgagttt tcaaaataaa aactaaattt 180
 taaatactta aattataaaa aaattaatta aaaaatgaaa tagtttccac atttcttgaa 240
 gaatatactg ttaacagcag ttaacgaagt gtaagcagaa ggaacaagta caatgttatg 300
 cattaagaat atgaatccct aatctcaatt tcattcagtg cagctgttca agttttttct 360
 atagttcttt gccaaagaaa tattacgact tgccaaaaac caaaacccca accacaaaat 420
 gtagactttg aagcgaagga cgtctctgct gataagtga aaataaatga ctgatagctc 480
 aagtacaaac atgcacatag tgatatgcgt atatacatgt gcgtgcattt gtgtgtatat 540
 acccttcagc tatctccaaa tttaaataac attttctctt ttatcgcagt gaccgaagaa 600
 atatctttat ctgcacactc cacaatttta atattatttt tgctgcagt gcgtgacttg 660
 aattttttgc tcaactcactc tttcgatga ctcataaacc cgcataaaag caagacgagt 720
 tcgaattatc tacggatttg ggattacggc tcttatcggc gagtgcatag ggggttctgg 780
 ctgcgatggc aaccctgatt gttggacagt cgcccagctg actttgtttt tccaactttt 840
 cttggtgact cacttgcctt tttgctgttt ttctttttcg ccaactccag ctcaccttgt 900
 aacaattata aaaagtcata ttgctcgggt tttttttttt ttttttcgga taaagttttt 960

<210> 704
 <211> 431
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 704
 atctgtgggt cagctgctgg tgtttgtgga ctccgttcgt cattgattgg actccccctct 60
 ctttctacca acacactctc tctctctctc tctaattgta cgtcactttc ccacgggtgc 120
 acgtgtgttt gtaggggctt tgaatggctt aaaacgccta cgaaagcagg gattgtgttt 180
 gtcacgggtgt cattgcttgt taaatttatg caagagtctt ccctaatttg ctggatttgc 240
 ttacacgttt gaattttgca aatacttcta aagagctcca taccctaacg acattcattc 300
 ccgttggaat ctgttttttt ggctagtttt gctcgcatth tgacccccctt ttatttagct 360
 tgttggcact tttcagatga ctcatcagat atggctacga gtaaatggga ataaaagagg 420
 gcaatattgc g 431

<210> 705
 <211> 754
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 705
 ggtcacacta aatcattggc atcttagctt tttttttttt ttttgatgca cgcgtgtatg 60
 ctgtgtatth tttttttttt gctattttta aaatggattt cgagagcaaa tactgcacca 120
 gtcaagtaaa tggcactatt accataacta cgcgcaaagt ccttgatgaa aatctaaaat 180
 ccttactgga tgagggaaaag ggcgaggatga gtgtctagt aaccatctag tctcaaaagt 240
 ttacggagac actaatacgt ttttgcttct agctgtttct ctctgtgata ccgaggaatc 300
 acagttgttc tccgcgggtg attgtggaag tggccagcga actgggtgaa gtttacatta 360
 tgcgctataa gattgatttt tcgggaaatt ctgcgggcta cgctacttg caatatatca 420
 atgtggacct caaggaatcg gcaatgcaat agtacgtact tcgtaataat tttcacataa 480
 aacagcacta accctaataa tcccagtctg ccaatgcgat tccgacagct ttgcatgtgc 540
 ttaagggtgg agccatcgac caacaatcg gagctgggtgc tcaaaaacgt agaatcgctg 600
 cttagaccat ggcaagtgta ccaggagatg ttgaagatac atccctttac catcgttcga 660
 gtctacgagt atcaattaga ccagttcttc tatatatttg agtaccgcaa caacgactcg 720
 gcccgcaagt gcccatcagg agagtaagga attc 754

<210> 706
 <211> 156

<212> DNA

<213> *Drosophila melanogaster*

<400> 706

tctgtacaaa aaaatgttca gccatthttgg attcaattaa ttcatgtcgg cgttgccagt 60
gcgacggcat ttcgagggct gttacgcacg gccgtggaaa cgtaagcagc tgaggtcaca 120
ctaaacacgc gatctggcaa taccacaatt gaattc 156

<210> 707

<211> 989

<212> DNA

<213> *Drosophila melanogaster*

<400> 707

ctccggcgct gagaacacac gatgccgaag ccagcgggaag agaaggagag agcgcaaaat 60
taaaccacac cgtagaaaaa ttttagtgga tcatgaaaat caatttagga taacattctc 120
agtaacaaac taaatgcttt cttttattht gtaatcgggt ctatgaaatg aaaatgtaca 180
ttttaatttg aaagtatact ggtttatgat tagtaccttg actacgttaa taggctgaat 240
ttttctctgt gtaagaaaaa gagagataca aagcttatga gattgagaga gcggactaaa 300
acacttgatg gcgtgtgaaa atgcggcaat tgagcagttt gaatttgat gtgattattg 360
ttcatgccgc tgctgggtga tggtgtgtt cctgttcttg tccctgtaca gagagaaaag 420
caacaagaac atctagctgc gagagcgagc gacaagctga taatgacgtg caacagagac 480
agatagcggg tcatgctca gaggccgaga aactatcgcg agcaaactcg ttacacaaac 540
aaaacgcacc tgtcaaacac tcagagacac cgaattgagt tggagaatgg agcacggaga 600
acgaaaagcg gaataagtga accaagccgg taagagagac tatggtctcc ggctttggct 660
caatgggatt tctttgaagc gcagtcgcaa ctgtgaagtt tctaccaacg agagcgaatg 720
agcgaagagg ggtgtgagtg aggggagtg ctcatacagc agtgccatgc ctgaaccgag 780
ataagctgta tgcctggctg ccgtaacaga gtctgttaac agaagtcccc agaaataggc 840
acagcggact cgataaagtt ggacacattt atccatcttt ttatcttatt aaggaactag 900
ttatttctta ataattagca ttacatttca acattacagc tgtcaaattt atgggaaaac 960
tgtaaaaatc tggataatca ttacatttt 989

<210> 708

<211> 183

<212> DNA

<213> *Drosophila melanogaster*

<400> 708

gtatgactct tatcacttgc actccgtgac gtcgacgatg acgtcgcggg ggcattcccta 60
tgattccatt tcttttttca tgtttttctc ttcttttttt aatggactat atattcacgt 120

ggccccagca aatccacaat tcagtctgat tcccaactct gagacaagcg gacgtacaag 180
 tgg 183

<210> 709
 <211> 304
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 709
 gattggatta ttcactaatg gtagtatcga taggtcgatt gtcacaatac cgatgcttca 60
 gtttcgatat cgactgtttt tagtatggct gtattttgtc agtattttta cgtaaatatc 120
 taataattgt tagtatataa tttcaaagac cgcgatattc aaaattgttt tcaagttatt 180
 ctcatTTTTTA tttaaaaata ataaaatcgt tttttcactt tgtttacaaa tgaattttat 240
 gtatgttctt tttctacaac aattagattc ataaactgatg atattttgtt ttgctttcac 300
 atag 304

<210> 710
 <211> 855
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 710
 acctcgccag ccactcgcac actaaccgat gtcgttggtg gctcaacgct tgccgttggt 60
 gctgcctgct cgctctctgg aaatttggtt gtggcaacga tgacgtcggt actgttatcg 120
 tcgttgctgt cgcgaaatgtt gctgatttga gtcgctttca ttgctatttc ggttggtgctg 180
 gcggcggtgg ttgcaacact taatgttgca gctgttgtag cctcagatgt tgccgatgct 240
 tctgcggctg ttgctgctc tgagacaacc ggagttgctg ccgttgctga tgatgttgct 300
 gctgcctccg tagttccact tgatgttgca gctgtcgcg ccagtgatgt tgctgcctcc 360
 atgtcttggt caggcgttac atgttccaca gacatgggccc ttgctgtggt agtagttgtg 420
 cttgtcattg ctgataacgt atctgttgaa tttgccttag acatttcacc tgactctggt 480
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 atgccgaatg ttgcaagttt ctggggaat gtaacaaatg ttgcagcctc tgttgctgct 600
 tctgtttccc tttgaggctc tgtaaccgcc tctatcaact tggcattggc tgcateggac 660
 atctttttga ctaatggaac ttccaattgt ttgcgtacgc acagttgtgg gtcgtcatat 720
 tggaggtcca ttgaccagga tcaaggtgtt gaaggcattg gtcgtgctgt ggtggacggt 780
 atcctgttcc aatcccactg gaatatcacc tttggaaatg gggttttcct ctaaccaagc 840
 tttcgggaat aacct 855

<210> 711
 <211> 825
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 711
 ccccaaacca tgtacaacaa gtcgtgctct ttcgcctgct ctctcgcttt ttctctcagc 60
 agccaagcag agacctaccc cctcctcctc cctactccta gcggtccact caactaaacc 120
 tcgtacaccc gtgcactcca accccccacc actccccgcc tatgtacaat ggcataagat 180
 ataagatatg cgcatttctt ataatgtcga accgaaacgt ggcgaaataa atgtttgttt 240
 gctaagctgc gtcttgcttg ccttttgata atttaaaacg tttttattct gtcccaaagt 300
 acttttaggt gtattaaagc ctataggcgg ttttttaata aacattcaga ctttcttggg 360
 ctttcattaa gattgtgcaa gagttattga caaagacctt gggcactatt gataatattg 420
 cagagcaaca actttttact actattccat gactgcatga aaataaatat acaaactctaa 480
 gtgggctgcc agaagaaaag gtgggtagat taaggtttta aagtgcttat taatcttttc 540
 ttctcaaagt agtttagata tgtgtaaata tgtatatact atgtatgtat gtacgtatga 600
 aatcagctaa cgggtgtgccc gatgagtctt gaaagttata attctaatag aatcatagat 660
 taaagatatt tatgattctt taatgtaatc aaagtatgac tggtttgtaa tgcgcaatat 720
 aaagaaagta tttagttaag tctttatctg caaggctgat aacaaactaa tatgcaaact 780
 gatgggtggg gagattgggt ggggtgtaac ccgtggtgat gtggg 825

<210> 712
 <211> 798
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 712
 gtgtgtgtga tcgagagagc tacattcttt tgcgagtatg gaggccagtg agtgaaacaa 60
 gcgcactctc actggctggc cctcacgatg aaacatttaa ctagagggct acaatttoga 120
 catggctctt aaaagtaaaa gcatttgaaa gctgtgtacg tagatggatg gagattagaa 180
 cacaaaggcg aggctgaaaa caaaattaat acccaaatgc tattttgctc acatttatat 240
 ggctgcagta atttttttgt ttacgagcaa aagaacatgt gtgataattt gttagatttc 300
 gttgctaaca acagcgaagt aaagcaaaaa aaaagggtac aaaatgtgaa gctcagataa 360
 agcagagtat ctttgagtta atttatatat atatatatag attatatatg tgtgtatgta 420
 atgctaaata ttgcagagta ctaaacaagt ttaacatatg tacctgagta cttacaaatt 480
 attttccaca aactgaagag ctattgaaaa ctgggcatct tataggaaat aacatcggaa 540
 tatctatctg catgcaaact atttgtgttg agcaacattt ttcgtattgt tacaccgatg 600

| | |
|---|-----|
| taaacctgcc cttttatgat gtctaccact catgttgggt ttttctttta aatcttcgtg | 660 |
| ttgtgtgtat accagcaagt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt ctttatgtgt | 720 |
| ttgtgtgtgg tggcgatgag gggggcggtg ccattgggaa gtggaagtgt tgtggtgtct | 780 |
| gaaaggcgtg actgcac | 798 |

<210> 713
 <211> 797
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 713 | |
| cgccggggga agatgtctcg accgaccgca gcattaaatt catataccct atgctcttgg | 60 |
| ccgcatacat aaccgatca tgttcacggt cacgtcggag atctacggac agaacaacta | 120 |
| ccagacgacc cgcgatggag gtaaggcggt gtccaagtgc cgtttcgtct atccggagga | 180 |
| gaagctggcg gggattagga cggataaaga cggcgacctt gaggtgccaa ggccgaaacg | 240 |
| tggcgtgatc gaattggaac attccgaggc cacggagctc cggctggtgg gcttgcaggt | 300 |
| gtggcgagga gcccttcttc tggcagacta cttttctctc aaaaaggatg agttttccca | 360 |
| gaaaacccta atggaactgg gagctggtgt cggcctgacc agcattgccg ccggaatata | 420 |
| caataacgga aggatctatt gcacggatgt ggacctggga tgcatactga agctgatccg | 480 |
| cggcaatgtc caaagaaatt caaaactcct ccgcgctacg atatcagttc tggagtttga | 540 |
| ttttctcgcc tcaaaagagg atcactcgca ggatctgctg gaggccatag acaatagcga | 600 |
| tataatccta gctgccgatg tcatctactg tgatacgcta accgatgcct tcatctgcgt | 660 |
| cttgataac ctctggatc gaggtcgcca aactgggaga cccaaaacga tatacatggc | 720 |
| actggagaag cgctatgtgt tcacactgga ggattgcgat tcggtggctc ccattgatga | 780 |
| gtaccttatc cggcaga | 797 |

<210> 714
 <211> 491
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 714 | |
| gaatggcttt ttactatcct ttcactgtcc attttaggat ttattttataa caaacgaagt | 60 |
| cggagtcaga tttcaaagaa agaacacgtg tgacacaaga agacaacttg aattgcataa | 120 |
| cgccaacgat tttttgttga ctacggtcac actaaggaaa ttttaaagta ttcgaaaaat | 180 |
| attgaatcta ccgtagcgtc cacggtagtgt tccttaattt agcaatgaat atggacctat | 240 |
| ttttaaaaaat gcacagtaac agtaatgtcc tttcggacat atcaatgcaa tctaagtttt | 300 |

| | |
|---|-----|
| ttttaagtgg tacaattatc ttttagtatt atttcaatth tcaagtatth aattattctt | 360 |
| gtggcttttg gcggaatct taaagttttc tcacacagct tactcgctgg tattttccaa | 420 |
| atgatcacca caatttttgc cccattcggt ttaccttcta ccaacgcgat tacctgcggt | 480 |
| cacgtccaaa g | 491 |

<210> 715
 <211> 1013
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|------|
| <400> 715 | |
| gtgcggtcta aaatccctat atacataggg atacttacat acatacatat tcatgtatgt | 60 |
| aaatagatga aggagcaatt ttgcgggtaa tttgcgttcc gtcgagggac atcctctcca | 120 |
| cagcacgcat aatctcttgg ccccgtttcg ccgctaata gcaagtattag ttttatatat | 180 |
| attgggggggt acttaactat ttaaatttaa gtgcgtgagc gtcggtgacg tggctgataa | 240 |
| caccgttcgt attgcggggc aaaaataaaa tcgtaatgtg caaaaaccgc caagtttggg | 300 |
| cgccgcccga aggcggtcta atccacgact aatgcgcatt ctggccacga gcatcaatca | 360 |
| tccatcattt tgcgtttgcc gaatgcaatt ccaaaaagcc acacgcaaag cactcaagtt | 420 |
| gctagacaga cagctaagac gtagtgcgca aaataatagc aactaaatta ttgataatcg | 480 |
| accaacattt atggagcagt tatttaagta acacaaagtt gctaacaatt ggaaaacaaa | 540 |
| ttatggtgac ctggaatatc aggtatactt cagcccattt ttaaaatgaa atcaaaacga | 600 |
| actgtaggg aaagtaagcg cataagattt ttcttttata ttgataacgt gtagagatt | 660 |
| aaaatgcttt tttaaaatca gttcttttta acaaaactat gctttgagtt agtgaatata | 720 |
| tctgctcaaa atatctacga cttttttaa acaattttaa tgccatactt ctgcataaca | 780 |
| cttaattttg atgagttgag aaggatttca atgattttca tgcaatgagt gctacttttt | 840 |
| cgaccccgac tgtgcccaga ggcgactgtc gatttggcgt tgagtgtggt cagtgcggc | 900 |
| ggggcagcga ggtgcaagag aaaagcgcgc ctaacagcag caaccagcag tgggccaatg | 960 |
| acgccttcca ccggccgccc aagctccct cgacgcccc cccactcggg ggc | 1013 |

<210> 716
 <211> 902
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 716 | |
| cgtcaaaca ttaagtaatc aatacagagg tcataaaatg tacaagtatc taatgttttt | 60 |
| tatggccgcc aactaagaaa acccccaaac gaccttcgcc acaggccaag aacaatttca | 120 |
| gtggcagttc ataataattt ttcaataacc ccaaagttag gctctaattt ccaatttcga | 180 |

| | | | | | | |
|-------------|------------|------------|-------------|-------------|------------|-----|
| aggttttgcc | acacgcaatt | ctaaactggt | ctatacacca | ccccctccct | tgaagccaac | 240 |
| caaccacca | ctgaaaatgt | caattactaa | gcgttttttt | ttttgttttc | cattttcgac | 300 |
| tctaaagttt | gatcgataag | gaatttgctg | gcttgtcttg | tgaggggtccg | ttgggtcgat | 360 |
| cagcgagctt | ttgaaaggaa | ggggccccga | gttaatagtg | ataaggagcg | tataaatcaa | 420 |
| gtggaaccaa | cagaaactaa | gcgaaagcga | tttagattcc | gcccagactg | agataagctt | 480 |
| agtgaggagac | aattggcaac | agttttttgt | acctacagta | cggtttctat | atatagcacg | 540 |
| atatattttcc | ttaatagtaa | actaaactac | gttttttagaa | tacatgatct | ttgaaacaaa | 600 |
| gtaattaatc | tagataggtc | caggttttca | attttataac | atggccttaa | atttgattat | 660 |
| gtttaatcta | cgaaatccgt | acgataagcg | aataataaaa | gcgaaaaaga | aatgttctaa | 720 |
| tcaaacattt | agggaaaata | aacaaaatcc | aaaaaagtgt | gaaactgggt | gatttcaatt | 780 |
| agaggaagta | cgactgtttt | ttcgttttca | tgttttatct | atttctttgt | ttgtattttt | 840 |
| tcgttttaca | tttcgactcc | atgagtctgg | tcgtctgact | tcgggacgag | gaaggagata | 900 |
| aa | | | | | | 902 |

<210> 717
 <211> 64
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|--|
| <400> 717 | |
| gtttgggtgcc | tcgcgagtca catttggttg ttcgccgcat tcgagcgta |
| gacgaagcga | 60 |
| attc | 64 |

<210> 718
 <211> 526
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|---|
| <400> 718 | |
| cttggcttta | tcaccctctc tctctctcta tcgcgcgcgc gcgctcttg |
| tggaaacagg | 60 |
| tataactggt | tggcgtgagg gagcacgaaa ctccagtgga gacttctccg |
| catcgccagc | 120 |
| gaaacaaacg | atcaaaatga atactctgat aacgtgtgaa ggtgagcaac |
| aaaataaagt | 180 |
| ataagaaaat | accgccacga aaacaacaac aatagaaatg tcgacgcacc |
| cttttctttt | 240 |
| tctcgcaaag | aacgaggaaa tggagaagcg caaaaccaca tcccgttaa |
| agagtccttt | 300 |
| tccccgctg | gaagtggaag gaaaggcagc ttaaagagga gcgggtggct |
| tccagtatgt | 360 |
| ggaaaacaaa | gcagacgcca ttggaatgcc cgtccgttct ttgatgttgc |
| taagccggac | 420 |
| atggcaattg | ttgcttttgt tttcgagagg ggggtgtgaa actcataaat |
| atcagctatg | 480 |

gcgaggggggt ggggggcagt ctttgctgac gtaccgactt ttaatt

526

<210> 719
<211> 143
<212> DNA
<213> *Drosophila melanogaster*

<400> 719
gatcagcact cagagtcagt tacttttttt cgctccatac gtgactcaca attcgcggtg 60
ctttcaaaaa taaaagcaaa agaagcgttt ggattcggtt ctgatggctg gataaatgaa 120
aaaaaatcag tcagagccaa caa 143

<210> 720
<211> 110
<212> DNA
<213> *Drosophila melanogaster*

<400> 720
ttctggcgaa tgcaatgaac tcggcttggt tatttaaaaa taaaaatata atttgcaaag 60
aaataaaaag atcgcagaac aaaaatcgaa tcaacaaaca aaaggaattc 110

<210> 721
<211> 1070
<212> DNA
<213> *Drosophila melanogaster*

<400> 721
ggaagtacaa atagccaaca attgaaatgg ctatcgacag actggctctc tgttgattgt 60
accccagccg tattgccaga gatcgggtatt gccagatcgt accacccgac tcggccagaa 120
tcggatcgta acgactaccg actaccgaca tcgacgacat cacgcatcga gggcatgatc 180
ggtgtgcgcc tgctgttgct gcattttctt caacagggtt cttagcgatc gcttatctgg 240
tgtgtgtggg gtgggtctca acgcccagca ggccgccaac cagaaaccgg agaccgcgga 300
cgggtctcat tttttaccga ccgctttcct aaaacttgtc aacttgaaag agatcacccg 360
aaaaatcaaa ttaaaaaaaaa aaaaatcatt tacattttca ttgattttcc cccacttggc 420
ttacattttc tccaagggaa acgagatacg actatcaact gtcttttctt aaaacccaaa 480
ggcagtcaca attccgtatg cgttacggaa cgcatttatt ttcgtgggtc cggtttaaag 540
tccataaatt tgtaaaactcc tcaatatgca agccgcatta agatcgttga tgggtgcagg 600
agaaacaagt tttggctgca caaaaagggc tttttaaaat cgaaacgctt gtaatgtaaa 660
tgaaaattgt gtttaaaaat actttttaat ttcctcagtt ttcaatttgc agaccttgtt 720
cgagttccct cattttctaa agtcaataac ctgtccgata aaaatattct ggcaagacct 780
gttgaaattt ttacaactga ctgatttgat ggtcattctg gttgacctta caatcgaact 840

acttttttgt aaacgaatca agggtagttc cgtattgtat gtcgccaaat tttctgtatt 900
 ttctatttta tttcccccac aagaatttca gtttcgccaa atatacctat cgtttatatt 960
 tttctgaaat ttttaagcaaa gtccaatagt aagagactga aaatagtttt aactcggaaa 1020
 atctgtcgtg gatttggttt tcttaatatc tcgacgttcc aataatataa 1070

<210> 722
 <211> 765
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 722
 acccagacca tctaactaat gagcaggcaa gcactcactt accaagccgt acacacacac 60
 acacacacac acacatatat atgatgtgcg aggcggacag aagctgaaac tgatgcgatc 120
 cggacacggg tcttgtgttt cagttctctg tgtggcatgg ccaccgtggc cacgttggac 180
 atcgtggcct aaaaggacac acacgaagcc cttttggccc tatgctaatt tgcacgccat 240
 aatgagacg aatgtgccga gtggtggcat gtgaagtgtg gttgcagttg ccgtcgtgca 300
 cttagagaaa aaaatgttat cgatcaagtc catttgtaat ttaatttatg taaaacgtat 360
 atataacaga ccaattctca aatccataat tacctctttc aaggatttta agaattaatt 420
 tttaaactga aattactcta taaatctaaa ctatttttcc ctgtgcattt gagtagtggt 480
 tgctgttgca gttgcaattg ttgcaagtgg ataactgtg cggcccgta tggatcgagt 540
 ggaaagaagt gggaagtgga tgaagtggat ttgggagtgg ggggcgtggc taggagagga 600
 aacgccggct gaaagaacaa atctgcaacc tgggggtggcc ccgcccagag tttctgtgat 660
 gatggggccg actgccagag acatgtgttg ctggttccta tatggctccg tagttgggat 720
 ggctaattgcc gccgacaacg acaacgcccc atttggatca cacac 765

<210> 723
 <211> 568
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 723
 agctactctc tattcgtatc tcacaaatac acgctgaaat ggttctcgta aagagaacgt 60
 aagagagaac ggctaagaga aggtagacgt gcgcaagtat tggataaaaa agtatctgtg 120
 tgccgatgat tttgatttcg ttacttttagc cagcgtccgc gtcagttcgc tctatgtgat 180
 tcagtgttaa ttttcataat attatgtaat agcatgtgcc gccgcctggg tgcgattcta 240
 ttctatgccc taccttaacg gcaattatat agtaatttac ttgcggcgat ttaatggatt 300
 tagtttggtt ttctacggct tccagggggc actttgcgaa agttcattga actcgacagt 360
 ttatataaga actgtgcctt aataattagc tctgtgctaa ggtgctgaac gtcacgtcat 420

cgcttttttg gcttggtgat gtgggaaatg catttcgagt gcgtgatatc tgtggcgctc 480
ccagtggtta agtaatagat actgtagttc ttcttctctc tcttcttggc ccaccagta 540
atcccaagac cgcgaagaag agagggtt 568

<210> 724
<211> 580
<212> DNA
<213> *Drosophila melanogaster*

<400> 724
gaaccgtgca tatgaataat tgccccgtct gctggctgtc atatagatcg ctgcgacctg 60
atagccaaag aataaagcca gaacgacgaa agcaacaact tatacttatt ttaaattacg 120
ttcaattaaa tgcgcttcac ctacaaagtc tgcgacagtg acgtcaatat cgaaaataat 180
tgataacctt cgatcacgat cgggaagaga ttgtaacaga cttgctttga tggctcgcat 240
ttgtgtaaca agttttacca ccacaccacc taaactaata atacacgcaa ttggggcaat 300
attcgttcaa tgaaacgacc gatccatata gatataataa gagggggcctt caaatctttc 360
gggtttgatt ggtgaagcac ttgcactata tatctacttt tttttcttca cactgttatt 420
gttctctgtc attgccgttt tttatcgctc cggcgccctc taccctcttt tatacataat 480
tcaatgataa aatgtcaaaa atcaataaca ataaataaat gataaacgag agtatcactc 540
ccgtctttgt attccaccaa aaataaatat cattccgttg 580

<210> 725
<211> 403
<212> DNA
<213> *Drosophila melanogaster*

<400> 725
ggcacaacaa accggttaact ctgaagaaat ttcgtgcgtg ttaaacagaa tctaacgaaa 60
gagagagacc actgggctcc tgtttgctc tccgccttaa aacgtgtttt tcacaactca 120
caaaaagttg taaggaatgt ctcataaaaa agttaaatata tttacacact cgaagctgaa 180
gcgcacataa gagcacaaaa tattcagaat cgcaaaatat tccatgattt tttttgcctt 240
tgttccagag ccataattac aagaccgca aggacagcaa taaaccaaac aaaaatattt 300
attgaaaata aattcattct acattcaact tcaacgactt tgactcgaca ctttaattgg 360
aataagagca aattatcgtt aaaaacttat gtccattgtg ttt 403

<210> 726
<211> 465
<212> DNA
<213> *Drosophila melanogaster*

<400> 726
gacagttcgt gtcgcccgat ttgttttagga tgttgatatct gacaactgag tatttgcact 60
ttatctaatt tgacaaatag actttaactg ccaaactagt tcgccgcttg aacaaactgt 120
agctcagcaa gagtgacaaa tgattttctcg caaatcgaag gcacttaatt tgcaatttaa 180
gcgtatccat gcataattgc agtcaaagtt tattcaccgt aaaaaaagag ggaacgcca 240
gcttagttaa aatgcacgaa agaagtaatt aattcatatg ataaatcaaa tagagcacgg 300
aagcagtga tgcgtcgggt acagaacttc gattgccctt gcaaatgtga ttggatgtta 360
attgggcatt aaagtacaaa acttgaacat ccaaatgagt tgggcatatc aatatatcgc 420
atattctggg acaatgcctt acatthttgcg caccttaatc gaatt 465

<210> 727
<211> 52
<212> DNA
<213> *Drosophila melanogaster*

<400> 727
cgcggcagtg tctcattgat cgctgaaacg atgatggtaa ttcttggaat tc 52

<210> 728
<211> 490
<212> DNA
<213> *Drosophila melanogaster*

<400> 728
tatacgccat gcatattcac agacaaatgt acaagtactt ggactagact gcatatattg 60
tatatacata ttcaatcgca catggacaag cgaaccttgc agatacaaaa gggttcgatt 120
tgtcaaatac ccaatcttga gattggcggg gatacttatt gttatagcga ccctatgcag 180
gaagtgcagt ggctcagatg taattatgta tgccgcttgg cttgagtaaa taatctcaac 240
agtggctcga cgataaatgg aaaggggggtt ggttgcttag atgggtcttt ataaaatata 300
tgaatcatat gtacgtataa tcttaaaaca tgtatggaat ggttcgctgt ttaatattaa 360
gattcattat taaaatgtaa ttttctcatt tgggtggtact aaaccttctt tatcgcatgt 420
tcctagtgcc ttcccgtat atcaacctcc gtgggaaatg aagtagatac gtagatattt 480
agaacatact 490

<210> 729
<211> 1153
<212> DNA
<213> *Drosophila melanogaster*

<400> 729
gtctaccact agctctttgt cttcgccttc tagtctctct catcttgga gcccgttcta 60
gtgcgcgtat ttttagtcgc aacacattgc ccaatcgc agccgctatt tgtgtcgtcc 120

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|------|
| atttggttcat | tcatcgggct | ctttttccga | tttcagtggg | tggcatttaa | caataatccc | 180 |
| tgcgttcgct | gtccacgtcc | acattacgat | acgttttagtg | cacggaaaga | aataagcgtg | 240 |
| tggtttcata | atattagcta | ttgaaaaaag | ttcttaaatt | taagcctcac | tcgattctga | 300 |
| tgcattgaaat | attattggat | tgtaaagtag | cgtcatgttt | tggatatacaa | atctcaaagt | 360 |
| aatttaaaaa | ttctcatctt | accgtacctt | gaaccactac | caatcatctc | agtacaagca | 420 |
| tttcagcgaa | tttctcactg | tgcactacaa | tgccaggcgg | tacaagcacc | tgtattttatt | 480 |
| tatgggtccgc | tgccgtaatc | gactgcagtc | gccgcttccc | tctctctttt | gctaccaaca | 540 |
| acttggggta | gggcacctga | actagtttca | aacggcggcg | gtcggccttt | tcagcttttt | 600 |
| cgcatttgcc | attttcccgc | ggttcgcaac | atcagcgaca | tttgtcacag | tttcttaaag | 660 |
| aacatttgaa | tatccaaagt | ttacttgccg | aacttgactg | cggcattgcg | atgatgatgc | 720 |
| tgcccgttgt | ttgtcattca | gctccattaa | ttcgatacca | atcagtattt | cgtgcattgt | 780 |
| gcaaaatacg | cagcaacagc | tgttccaata | ttggccaaat | atggtgcaaa | tattgaactc | 840 |
| ttcgcatata | aaaaacatat | ggcgcgatca | atgccgaaat | gtgtcatttt | cggcgaattt | 900 |
| gagcagatga | cccattgagc | ccataatatg | tactttattg | aatttgaaaa | atttgtattt | 960 |
| ccccagcaa | taaaaacaca | gaactccata | taaatcatcc | cttctctggg | gaattatgat | 1020 |
| attaaataag | tgggcggaca | atgagcta | at | cttcttttagg | gtaaaaaaag | 1080 |
| catataaact | aatccagtgt | gacaaatctg | gatatatata | tcatataatt | aattattttc | 1140 |
| atgacaacca | ggg | | | | | 1153 |

<210> 730
 <211> 1144
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|--|
| <400> 730 | |
| tattgagcct | cgagaacgaa aaccggtaaa aaccgaccag aggccaccaa aagacagcaa 60 |
| acattcgaat | acaaagtcag caaacattga ccatttatca gaggcacgca ttgaacttga 120 |
| aatttgccgc | tgcttttgcc aatttcttgc gcgaagggaa tggacatcgt gggagcttac 180 |
| acaagagcga | acgagagcga tagtaagcgc taagagcaag atggaacgag agtagtttta 240 |
| atatttgttat | tgttgtggcc cgttatcacg ttgcaagagc gtgatgcttc actaagatat 300 |
| tacacgctga | gaaaactgga gcgcgttctt aaagttcaga tgaactgaat gatctgtaat 360 |
| ttaaacaaaa | ctaatagaac tgctatatcc aaaattcgga atgtaaataa aagagttctt 420 |
| ctgtctttta | acttcatttt gtaataataa taagttttta acgttgtaga taatcaagta 480 |
| atattatgtc | ataaatttgc aagtgaataa aaaacggtaa tacttgtatt ttcttcgacc 540 |

| | |
|--|------|
| tagtacggta atacagggaa attaactatg ccgcttacga aatatatgat ttgtttgcac | 600 |
| aatgcattgc tagaaatggt cctaacaatt aagcatgccca ccaattctgg caattatatt | 660 |
| ttaaagtaca gttegtgtcg cccgatttgt ttaggatggt gtatctgaca actgagtatt | 720 |
| tgcactttat ctaatttgac aaatagactt taactgccaa actagttcgc cgcttgaaca | 780 |
| aactgtagct cagcaagagt gacaaatgat ttctcgcaaa ttcgaagcac ttaatttgca | 840 |
| atttaagcgt atccatgcat aattgcagtc aaagtttatt caccgtaaaa aaagagggaa | 900 |
| cgcccagctt agttaaagt cagcaaagaa gtaattaatt catatgataa atcaaataga | 960 |
| gcacggaagc agtgaatgcg tcgggtacag aacttcgatt gcccttgcaa atgtgattgg | 1020 |
| gatgttaatt ggggcattaa agtcaaaact tgaacatcca aatgagttgg gcatatcaat | 1080 |
| atatcgcata ttctgggtcaa tgccctacat tttccgcacc ttaatcgaat tccgcggaat | 1140 |
| taat | 1144 |

<210> 731
 <211> 858
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 731 | |
| ttctgcacat aaacaaaaca aagccgacca gataacagtg tgaccagaac acgagagggga | 60 |
| ggccttttaa aatatagata taccaaaaag ttgcagtgtc tgcaaaatac tatggatttc | 120 |
| aagatatcat tcgaaaatat ttttagaaaa agaataatta tccaaaaaga atcacatttc | 180 |
| aaagaacatt ttacgcattt gaattaattt attaagttct atctcgaatt atgatctaaa | 240 |
| agtactttaa attcgcttgc ttgccaatcc gaccattca tatttgaagt actccttgg | 300 |
| cagaggcaag caattctcgt gcaactcgat ggcgtccttg tccatgtgcc acaccataaa | 360 |
| gttcttgcca caggcgatct gcttgtggag cgccaggtgc acccggtcca caaagtggga | 420 |
| ttgacactgg cggcactcaa acacccgatc gtgggtatcc acgcgcagga actttcttat | 480 |
| gtttcggatc tcaagtaagc cccgaaagtc accaactacg tccgtttgaa tgatgaaggt | 540 |
| gggtgtgttt tcgacatcat cgcctcggag caaatatggt actgcaaata attccttggg | 600 |
| aagtgtgca gacccgaaaa gtgtacaggt ttatttttag agttgccgga aatgtgttga | 660 |
| ttttggctct tttgatttat attaagttta gaaagttgtg ctaaatacga ggaatgctta | 720 |
| ttacttccat ttccaatgac ttctgggtgc gttttacttc ggtactgcaa agggaagttt | 780 |
| aggaaaattg ctcttaggcg aaacccaaat ctttggaccg gcaccttcat cttctgatga | 840 |
| ccacgccttc catggaac | 858 |

<210> 732
 <211> 882
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 732
 atgcatcgga attactcgcc gaattgtgag tcataaccaa agaaagagcg tgctttcgcg 60
 caagtgccgt tatttcgtct tgctttcttt aatcgaatat atttcggtct cttcttttgc 120
 agcagttctg tttttttagt gtgcgcggaa gtacgttctg tttgtatact attacctctt 180
 ttacttatta aactaacttt aaacagttat tttaatagtt agattctaca caacggcaac 240
 gtagaatgat tttttacata cataggctcag cttaaaacaa ttgtgaaata ctacttaata 300
 gcgaatgaat gaataaagca aagctttggg ttcggttatt attatttttt tttttgtttt 360
 ttctttatgt gttttgtgtg tgtttgatat atacatgtac atacatatgt atgtacatgc 420
 atacataagt atgtatgtat aaaaatagtg aaatgcttat acaggaagcc tgtattctta 480
 aaagataaat atgattaata tgtataaata cagagaaagt aaggtaagta agttttaatt 540
 ttttacctaa ttaaaataat tggtttgaaa ataattgtac gcataattta gtgtgttgtg 600
 tacactaatg tacatgtaca actttatatt gcaatttcaa tctgaacatc cactatctaa 660
 tgggtacactt tataccgcgt atttccctta aatgtattga ggccccccga tttatcccta 720
 tttttatgcc agttaatacc gagccacag aaacctcaac ttgacacaga tgttctaggc 780
 agtgatttaa ttaaaaaact tttgcaatta aatgcataaa ctgtaaaaaa caaagcggag 840
 tgcaggccat taagcccca aaaaaggctt gatgaaggaa at 882

<210> 733
 <211> 532
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 733
 ggcccgagca gctgacagtt gcgcttcagc attagaccaa agtagtttga ctttttagtt 60
 ttttagccgcg aagcgaatag tatatacgtg gctctgtgtg tgtgtgcggt gtgtgttgtg 120
 gcagctgcac ttgcagcgag agacagaaat acatttcgta caaaattccg ccctgcattt 180
 agtatatttc accttagagc gtctttgcca cacacacact tgttaccact cacacactgg 240
 caagcgagaa caagacacac acgtggccat caaagcggta tcggttcgcg tcgcgtttgg 300
 cctaaaattg taaacagttt tccttttaca acaacgaaga ataccagaag aagcaaagcc 360
 aaaaacgcag cttgcagttt gacgtcgacc gccaaagtgtt agctgctgcc atcgtgctg 420
 cagtcgcccc gacggtccgt tttctgtttg ggcccatttg ccggttgcca gctttcagtg 480
 gttcatttcc cattcgagtc ggcaacaacg agccggggaa gtcgcagagg cc 532

<210> 734
 <211> 113
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 734
 ctgtggcaca agctaaagag agaggatgag agcgagcgcg atcgaagaga gagcgccagc 60
 tgctcccatt ggagcagcta acgtttccaa ttggaccagc tcaaagggaa ttc 113

<210> 735
 <211> 1145
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 735
 ggctgatgca acacttgcca cacgttgcaa cagctgtttt agtctggccc agctgattcg 60
 tattgttggc ttgttgccag agactgcgaa aatctcttgg caacatgtag ccacaacttt 120
 tggaaaactc atagtgttgc taaacatgtt gggcgaaatt ttcacaccga tgcagggcaa 180
 aaaggggtgg cttaaactgt agctggctgg ctggctaaaa ttagccgaac gatgattcat 240
 tttgggggtt gtccacttac ataagatgag ctcacccaat gtgaaaactc tttagtcgct 300
 ggaagaaatt ccgcatttcg acacagaaaa gcctaaacaa gcagaacgaa catttgtttt 360
 ttagatgtat aatttttcct catacattca aaacatacaa tcgcattgca ctttgcgatt 420
 ggccctgaca ccctgacgtg gttccatttg ggcacactgt tcttgctttt atcttctcca 480
 tggcgcaaga taaaatcaga aagtcaacgt gttgatcacc taatggccag agtcatgcaa 540
 accaaactct tggtgattta aatctatgta tgtatttcca tgtctgtcac aaaagaatac 600
 tgcttattat tatatggcgg ggtataattt accaaagtac aaaaaatgtt acaatacaat 660
 acagttgaat atatactagt taaatttatg ttttataaca gctgattggc tgtgttttaa 720
 tggtttataa atgtaaagtg tttttaagc attttaaatt ttaaatgaaa catttttttt 780
 gtggaagtgc tgttttttat cctgttcaga tatatatctc tgatatttat gatgattcct 840
 taatcgtatg acagtacagt accctcacac tttagttctc tttatgggtg gttgactgta 900
 gtcaaaccgc tcccaaagaa agtcgggcaa agtggaatgt acctaggcgc gctcccgcgtg 960
 agcatttggt gtgttgatga gattaaaact ggggaactggg gaatgggaat tgaatgccgt 1020
 cttaaacaga gaacggagaa atgagaggct ttgtggacac ttaaaagtat gcggctctct 1080
 tgaccgactt cagtcgctga cgtcgctgga aaatgcttgg tttgcggccc aaattattga 1140
 attgg 1145

<210> 736
 <211> 447

<212> DNA
 <213> *Drosophila melanogaster*

<400> 736
 gactagcgcg tctacgaaat gccgaaatca gtggttgcta atcctgcgaa tagtcacgta 60
 caatggtaat gggatcagtt tcaatttcaa ctgtaactac aaattaatca taatttactg 120
 tataacaatg tattttttcc ttgttaatgt aattgtaaat ctacaagggc atttaaatat 180
 tacacaatta aaatctttgt tctggtatct acttcgaaaa actattgtat attacgaaac 240
 accggtacat acgctgtatg atctgagtca tttaacacaa caattttaag ggtagatcaa 300
 gaaaacgatg cttcaatttg aaaattttgt aatcgaagca atcaagttgt acatttttgt 360
 gactgaatta gtagttatat tggtatcaca ttctatttat attagctaaa atgttaaate 420
 gataaatatt aagttttcgg ggaattc 447

<210> 737
 <211> 551
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 737
 gtctgtgctt gctcgccgcg ttcgaacatc gcgcgtcgaa catcgctgcc ggcgtcgctg 60
 cttggcattg gcagcgaagt tggagttttc ctccactccg attttccgca cttcttcatt 120
 ccgtttttcg gggttggtgg gtggtggttg gctggttttc actttccacc accgccgcca 180
 accgctcgct tttcattcgg tggaaaactg aacagatttt tggcgctaaa atgagaaatg 240
 gtgggggaaa attgcggaag gggctacaaa aaaagtgtct aattcactag aattttccac 300
 tgtaggccag aatttggtac attttccac tttaaacgg aacttttgat agcagttaca 360
 tacttgatta gattaaatgt cttaaaaata tatgtaggag tttagacttt tgtaataag 420
 cttcatttcc atagaaaatg tttctatcaa gccgtatttt ctttaacta ataagaataa 480
 taataacatg tttctaactt tatagccaaa aaggaatata tattctccta ggctttggtt 540
 ccaaaattaa a 551

<210> 738
 <211> 885
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 738
 cctcgtctct ccgaataaaa gtaaacaag tggtagcggt gccacgcgac atgactcggt 60
 cggcgtgcc acatccgccc atttttcagc tgtatggccc ggcgggttta atcttgataa 120
 atttcttggc tgtctatcga tatgatagac aaaacaagaa atgcgccccat atcggtgttt 180
 aaatgtgaaa acattctgaa gacgcgaata ggggtggtta ataaatagtt ttcattataa 240

| | |
|--|-----|
| agggtataaa atcacgaatt gtaatttagg tggagcactg aacttaatag tctaagtata | 300 |
| acagaataac gcaaaattca taatgcaatg taatttttgt aacgcattct atccccgaga | 360 |
| taataatctt tcaatgatct ggcactcactg ccacgtactt tttgtaaatt tacatgtaga | 420 |
| taaattgaca tttttcttta ctgataaacg gagatgattc aaaattaatt ttaaactcaa | 480 |
| aaagcaaacg tttgataaca acacacttca gtacaatgct tgctactaca tcgtcataaa | 540 |
| taactagaac cgcagttcgg acagcttttt ggtgacccaa attctgttca aatctttaat | 600 |
| gataagcgga agtgcattgt ctcaatacgc aatgaaaaag atctcacaat gtttacaact | 660 |
| taattgagaa tgtatttgcg cagcgacgag tctctcaatg aaatgcgcct gctttcgggt | 720 |
| ctgaatgaat ggaatgcatt aatgggtcga aagcttcgga gctttaacct agattggcat | 780 |
| ttgaccggct ttatcttctg gtttttggag tgcgcataat cgttatttct ttgaatagtt | 840 |
| ctatctcagt caataaatcg gttttctgat taggtttccg aattc | 885 |

<210> 739
 <211> 1083
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 739 | |
| gtgcatatgg tatcaactct ctccgccctg tggttgttgt tgcgctggc attgttgctg | 60 |
| ctgttgcgta gtcgcatgtg aatgctctct aatctcgcaa tgcggttgaa ctttcccc | 120 |
| cctgtacgtt tttattttgc agtactcgac tttattgtta ttattatttt tcgcgactct | 180 |
| cctctccgtt ttattttcta ctcatcgct accgtgtgta tttgcttttg cgcagactca | 240 |
| gctcgctgc ctgatttttt tttgttctg ctcttttcga ttactttatg tcatagcata | 300 |
| gcgacaacaa caactacaaa taccgatgac aatgataaca gcagcgaaag caacaacaaa | 360 |
| tgacaaggac ggcagtggtt aaaaggggac agacaatgtg ttgtgggggg tagggactct | 420 |
| cttcaaactct tcaagcctac ttattacagt gatcgtaagg tttgagaatt taacaacgat | 480 |
| aaatatgata acaaactttg caatttcttt atacatacat acatatataa taaatggatt | 540 |
| gtttaaaaca aaatccctta tgatttgcca ccgcccttg aaagtgcaca cgtgcaattc | 600 |
| tgccgctgcc tgccctgggg caattatttc caatttagca aaacaacaca agaggagcag | 660 |
| catggaagct gaagctgaag ctggagcata ggcattccaa gctatagatt ggcctctgtc | 720 |
| cgagatctgg gcttggcact gctcctattg tctttccatc ggttcattgc ccgatgcaca | 780 |
| gatgcagcag ctctagcatt atactataaa accacactga gaaaaaaaaa ccaaatttaa | 840 |
| ttgaacataa atataaaaaa ggaaagcttt gacttaatta tgctccagat acatttctca | 900 |
| cttatgtatc ctcttagtg gaaggtcttt taatatataa tgtatatcta atattatata | 960 |

| | |
|--|------|
| attataatat tataataata aattccgcat aatatatatg ctttaagtat tttctctcta | 1020 |
| catacaataa ataccacatc aattttctgaa aaacacctcg atgcattaat tttgaaatcc | 1080 |
| cgg | 1083 |

<210> 740
 <211> 1796
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|------|
| <400> 740 | |
| gaattccctg caatacaagt acattttacct tcatattgtg gtaggatgaa cactcataag | 60 |
| gccactgta ccatgtagta gcatcaaaga cactagaata ttctagggtc tttggtagca | 120 |
| tagtcttagg tatgaagccc atagtggcag agagaagcat atgatcatat ccccgtagg | 180 |
| aataagaata ttattgttat ctgctctta cttataagct agcgtaaga gataagaatg | 240 |
| tacacctagc tcactcacia acgcatacac acttcagaga gcataagaaa agaggaaatcc | 300 |
| gcgagacgcg gcattgggtg gcgtgtgctt aaagggaaaa gtcgaataaa ggcattgtga | 360 |
| aattatttaa aggattgagt acatatattc atttttcggc gtccacaata ttaaactgta | 420 |
| atcttatagt aaatgttcgg cataatgtat gtatgtaacc ggtataagga agcctttccg | 480 |
| actccatgaa gcatataaat taatgagcag gtctagacga tctggccttg tcagactgtc | 540 |
| catttaaagg tcgagatctt tgggtactatg aacgctagaa agttcagatt atgtctgcag | 600 |
| attatagagg tctacgccgc gcaagaatgt tttgaacttt acataccag actaacgact | 660 |
| accagccgcc caaatctgtc gcaaacacia ctttcaaagc ttaccctatt ttattatttg | 720 |
| ttttgccatt accttaacgg aacaggatat caacagggat attaatcggg catgaaacag | 780 |
| tgacaggccc agtctgtcag gataataaac caggatacgg actttccgcc tcagcctact | 840 |
| atggccacat atgccaacac aacgatgtca caactgtcct ttcgaaatcc gttgaatagt | 900 |
| ggaaaaaatt catttccatt gaggtacaat tacgaaaatt ttgaagtgtg cacaggcagg | 960 |
| ataatagctg gcaatgcact gaataatgca tgcgtgggtg gtgcctgtgc tttcacttcc | 1020 |
| ccaattttctg ccacccacg tgaacacgt tttatgcaca aattacctgt cacttgtgct | 1080 |
| tacgtgggtg tagttgttag ttgtgtatgc cacgcgagtc cacactatca cactctctca | 1140 |
| cgcgccccgaa atccggctcg gaggacaaaa gggctcatgg gctggaggaa cggaagtggc | 1200 |
| aatgggagga ccaaggacag acttttgtga cagctgctcg ccatacatc tgcactctcg | 1260 |
| aagagggaaa aatgtatttt ccgcatttgc ctgctgatgc tcttttagcat ccttttctg | 1320 |
| tcacacgaca actctctctt ttccattttc acgaatgtgc aactgtgcgt gcaatcgttt | 1380 |
| aattaacacc ccaatcatca aaatgccagc atcgatgtgg gcaattgcac ttagaaaagt | 1440 |

gcacctactg aaacaagaaa taattttggga tcagaggagt agattcgtgc tgagaaattg 1500
gtattacctc atgaatttta aagaatatca cgcagaactt ttagtatat atggaaacac 1560
gaggtattat agttttgcc aatacatttc cccagtgtga catagttggg aatgtaggta 1620
aaaatccata taaatataat ccaatttggg tgacaggagt gtacggcaaa cagttcacca 1680
atcgaccaat cagtaatgaa tggcaatgac cccacttctt aggtagtact ctcattaatc 1740
gaaatatgac tgttcgtttc tgccataaat atcccctagg ctggcctgtg gcatgg 1796

<210> 741
<211> 819
<212> DNA
<213> *Drosophila melanogaster*

<400> 741
gctcagcagc tgacaaagga gagcggcgcg ctctcccgtg cgccgtcgtc ctccggcgat 60
ttccaggacc catcctgttg tcctgctaac agggccgctg ttaattaaca gccgtttcga 120
aaacccattt ttggggcagt tcgagttgaa gtaagaagaa ttacttgctg cagggcactt 180
aatcacatca gcggagcagg agaaggattc agagagagtc actgcgaagc cctcacttga 240
ctcaactcat ctatttcgtc ctgcccctcg tcctgtcgcc cgtcctggtc cctcctaagt 300
gccttcactt ttacttttcg gtctctggct tttgtgtgcg cattttcgtt atggcgtttt 360
gtctttgtct cacttggcct aaatgtgtaa taccctataa tggtcgttta atcccatcga 420
acgtgtttta agtttcgccc gccagcttag ccaagtcagg cggagtcgga tcgcactcgg 480
attggagtag gattcgaaaa cgggctgttg tcgcactcga tggagttgcc tttagcctgg 540
gggcaatgca gttccacttt cccgcttcgg gcatectgca gtccttcat tgccaattag 600
cggcgcagta attgtatatt gctgcaaata cgcaaatcaa ttgaatattg tctcagcatg 660
cacatgtcta ctatctactt gtgtatttat accgtataca acttaaattg aaattttggg 720
ggaattaaaa tttaaatgaa acccaattgg cttggtaact gttgataaat aaattagata 780
ggaaaacggg taaacaatat taatcgaata aaaagcctt 819

<210> 742
<211> 1003
<212> DNA
<213> *Drosophila melanogaster*

<400> 742
ctctcactct tcgtttcctg atcatagttg ttcgtgaact ttccgcagc caaatacctt 60
tggtgtgtgc gccgctattc taaccgaaaa ttctcaagag gctgagtttg gaaataaagc 120
gacaaaaagg ctggtcagca tggataagag cgcacgcaaa attataagat gatgtaaacc 180

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|------|
| actagtcagc | ggagatcacc | ccgtaccggg | gttctggaaa | gcctctaact | agagtttcca | 240 |
| ctttatttaa | ccacttacat | agatacatat | gtatgtatat | tttgtgggtg | tttgtaccac | 300 |
| taggggtgca | aaataggagt | tgcctaagtc | ccaaatcgac | gtttcgcact | tcgtttatta | 360 |
| gaataaatta | tatTTTTata | taaaggggga | actaaatcgg | agttgtatag | tcttcacacc | 420 |
| gaacatcaat | ttcatgttca | tacggacgag | atTTtagtaa | taaaattatt | atTTTTatac | 480 |
| atTTTaaatt | gaaattatag | atataataaa | tcatacaatt | tttaggtaaa | acatttgtat | 540 |
| aaaatttcag | atgcgtagta | ttaaaaaaaaa | ctgaaaaatc | ataatccttt | ccttaacttg | 600 |
| ctgtagctct | ttggttgtac | taactTTTTc | taaatgcacc | cgatccaacc | caatgagaag | 660 |
| atattttctt | cgacacactc | aagaaatcgc | gcaaaaagac | aatatatata | aatatatatg | 720 |
| tatgtatatg | tatgtatata | acagcaaaca | tttataagcc | ctaaataaag | agaaactata | 780 |
| taaattttgc | atttgaaagt | tgaactttgc | ccacgtgcaa | atcgatgata | aaggctttgc | 840 |
| aggcttcgca | accaaagtcc | acaattgaac | aacatacatt | taaaattttc | accaacctct | 900 |
| cagttttctt | tccaaagacc | atcaattttc | attcccaaag | cctgggaaat | tgcttagaag | 960 |
| ctggcaaact | taacggccta | ataagcgcaa | ctttacttac | ttt | | 1003 |

<210> 743
 <211> 384
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|---|
| <400> 743 | |
| gatcggggcg | tcgcgataat ggcaatcgat cgatagtgtg atcgatagaa atactggata 60 |
| agcacggatg | cgcaaatgcg gccacactgt gggcagcgat cggcacgcga cggcagcgcc 120 |
| ggaatatcgg | tagtggcaac gccgttacga acggagaacg gagaaggata tgtgaaggggt 180 |
| caagatgccc | cgctcgagatg cctaacgaca ggctgagacg ccaaggctga gaccagaagg 240 |
| atgcaggaca | aggagcggaa gaagttggaa ggagcggagg accttcaagg atcatcaagt 300 |
| cttaaaaactc | cccacaaatc ttcgtgtagg gggagccggc ctaacataag ccgcggttgc 360 |
| agggcaaagc | ggagagaacc gtga 384 |

<210> 744
 <211> 1040
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|--|
| <400> 744 | |
| cgtctgactg | agctggagtt acagtcctac ctggataagt cttccacaaa agttatactt 60 |
| atacatttcc | cagctatgaa tttcatttga tttttactaa atcacaattg tcaaattgca 120 |
| atgagatcgg | ttttgcctct tttcgtctaa tatactatga agtgtctcat ggtaattcgt 180 |

| | |
|--|------|
| tcgctaagaa cttccaatca ccgaagtcgc actgtggttc gttgggctct taaaatgagt | 240 |
| gagcgagtga gcagcagcag cagaagaaga gcagtccaat aggagcggtt gtggtgtgtg | 300 |
| tgtgtgtgaa gcgtgagaag ggggccgttg gccaaagcaac ggagacacaa ccaatgttgc | 360 |
| cagagacggg atacagcgaa gtatgaagag agatagtcgt acagagaaca ctggcgatga | 420 |
| gcaacaaaca cagggagact acgtatttag cctaagggca tgaaatgtat tgcaggtttg | 480 |
| tgtttgtcag tcgctagatg ttattgctgc gttctctgtt gttttgctgt cctgggtgggc | 540 |
| tatgtatagg ccgcgtcgcc ttttggtcgc ctgaaaaaaaa acacgtttcc tgcaacaaca | 600 |
| gcaacttcaa caacaccaac accccgaata ggcaaagcca acaaaccac aaaacgcaga | 660 |
| cggcgacgaa ggagtcggaa agagacgggc ggaaagagat ggtttgtgtt ggtgtgtggg | 720 |
| gcagccttta aggccatata agaatgggac tgcaagtcg tagggcttta aatgccatt | 780 |
| atgagcccat tatccagggc gaccagtga cgtttcgacg aggaacgtgc cagtgggaagt | 840 |
| cctagttaa gctaaattgc aaaatactat ttaaatactt tttaccctac tgctatataa | 900 |
| atttaaaagt taaaactttt aattaacatt aaatgtgtaa atgtgcagtt tatgactcta | 960 |
| gacttcagtt aggcacttaa aaattgttaa accattgggc aaagaaccag tgagacttgg | 1020 |
| aaatgataat tctattgcag | 1040 |

<210> 745
 <211> 519
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 745 | |
| ctgtgtccgt ttctatttac gtttcttttt tcaacggcta cctcgtgtg cgcgcgcttt | 60 |
| ttgctttttc ctgtccactt tccaactccc ccttcccccg cctgctgagg aagccagcag | 120 |
| catgtgtgcg tgtgtgtata cgtgtgtagc tactcgccga agaagaagag aagaggagat | 180 |
| gacgagagaa gcagggcaat cggcgattcc ctttcaggct cacgttttgc cgctgccgcc | 240 |
| gcgtctcggt tgtttttatt tttgcttggt cctttttcga ctttttggtg tttgctgtac | 300 |
| tttgtcatat aaggcggcac gaacacttgc atccgctccg cgggtgtgtg catgtgtatg | 360 |
| tatgcgatac gttgcgctct agattcgggt ccatttttta gcggcgactt tactaataga | 420 |
| tatacgtagc tacacatcga tgtctaactc aactcctccg atcgacagct attatgtggg | 480 |
| gggttcattt ggggtctggt tgggtgaatt ccgcggaat | 519 |

<210> 746
 <211> 597
 <212> DNA

<213> *Drosophila melanogaster*

<400> 746

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gtgcgggtct ttggagaatg tctgtgtgta tctctttggg tgtggaacgt atctgtggat      60
taaagaaaag ggctatgatc cggtttaatg tctggaactt ctgctgagga tcaaaggaga      120
tgtgccacat caaacaaaagg gaggaatttc atcatgaatt gaaaatgaat ggggagaaat      180
acaaatgtag aataactaaa aaaaacgaaa tctgcaattg ctgcaaagaa tcaaacactt      240
cctcaatcga tgcaataagt ctccacctat tcaaagattt tctcactttt gaagtgtgta      300
aaagttgaaa agttcataac ttgagaaaagg caacttcaat tcaattacct ctctctctct      360
ctctctatct ctttcgttct gcccgctctg aaaccaatcc gaaagatcat gtgcagccgg      420
tcaacaatgg catattaatt caatcaagag atcgcttatt aaacgtttaa acgtttaaaag      480
tgacaaacat gagaccccgaggcgaaagtg ccacagagat cactccatta tgcgactact      540
ggactgaact gactgaactg cactgaagtc ccgagtgacc caagaatatt ccgtgaa      597
```

<210> 747

<211> 99

<212> DNA

<213> *Drosophila melanogaster*

<400> 747

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cgttatccca ccacgctagc aaccttcgca aaaacgagcg cgccgtactt accacttacc      60
atactacaac tgaaagtggg ggggtttttgg gtggaattc      99
```

<210> 748

<211> 580

<212> DNA

<213> *Drosophila melanogaster*

<400> 748

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cctcaaccgg tctgctgctg cggcgctctg tatgcatgtc gcccatctgt gcgcctcctt      60
gtgtgcgtgt ggttgtgtgt ttgaacaatc gaggtcaatg caatagtggc aattaagaaa      120
agtcataaaa cccaaaagt ttgtgttaaa actatcttac aaaacaaact ataaaatgta      180
caatagctta atgattggca ctagaattaa atacttatat gtattgttat caaaacatat      240
gtattacaat gaaagtaata tgaattacta ctaaacgcca aacacttcaa tagtttttta      300
aggtaatatt taacacacat ttttcatttg aatttattaa ttttctcaat gtttacgctc      360
tgatcttact gcttatgggt tcgcccctca ctgtatgcat ctgcataagt gccgttgtgt      420
gtggttggtg tttctgtttg tgtgcgcttg tcattcggct cgttaaaaat gctctgccga      480
cgttcgcagt tggcgttggc ggcttcttct ttaactctcg cgcattattt cgcaaagctc      540
aagcctgctg cttcttcttc tgcaccccc ccccccctctg      580
```

<210> 749
 <211> 1036
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 749
 atttgccgga tttgcttcga aatttattag ttcgccgtgg gctggccaaa aaaaaaaaaa 60
 agaaaaaaaa gtggaaacaa taaatcgttg gatttttctc gccatacgcg catattccat 120
 atatattgta tttattttgtg gtcgccgtgc ttttccttac gagccgaggc acatgcacat 180
 gcacacatgc tggcttttaa ttgaaatgaa cttaaattag cgcgagggtta ggcaaattga 240
 aagtaaatat gcgacacgaa cgagtatcgc gataaagccc gcgaaaaaaaa gaggggtggg 300
 aggtccgatac gaaatatgct tggagattag cccgaatagc aaatataact aactagctat 360
 gctactgtat tttatatctc tagtacatat atctccccga tcaaatcgct gcctggcact 420
 aaagcgtgaa gcacatagat aaccgcacct agccgctcca acatgcacag cagcaccatt 480
 tagttgctgg tgtgtccgtc gtcccaaagg cacataaaat aatcaaacia ttgtcaatta 540
 tcgaaggcat agcatttttt ccatatagac acacataaat atatacatat atatataagc 600
 gagcaactac gacacgctcg ttgttgctgt tgttgctgca atcattatta ttttgaggct 660
 acacacacac acacacacac acagcagcaa tggcaacagc atgcatgtag atttcgcctt 720
 gcctcgctgc tgcgagtgtt ttgaacttta ttcagggtcaa ttacaaatac attaaagtgc 780
 cagtgttaca cacagatact catggcaagc tgttgactaa aataatattg gaggctacac 840
 aaaatttaca ataacaacga gaacaaggcg gacaaggaga ccagagacta gatactagag 900
 accagagacc gaaaggcaag gggttgggag gggggcttct ggggttgggc ctttggtagg 960
 agttaaacac ttggaccagt tcaaggagcc ttcgacttcg ctcatgagag tgggcgcggt 1020
 agtgggccgc gcttgg 1036

<210> 750
 <211> 1091
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 750
 gttgcggtgc agccttttgt tgttattggt ttgcggcggc aagtgccggt tctctgctgt 60
 ccgtctccct cactctcacc cggttcgcc cagtaacaac aactaaagca caacaacacc 120
 cggcacttaa acagcgaatt ttcaagggga tgggggtatc tacaggagga ggaggagcag 180
 ggaactaagt gggaggggag ggcgaaaaag gcgcggaatc tgagtacaat gtttttacgt 240
 tatgtgtgtc agtgtgtctg ccgttctgc ccttttttta tattctttcc ttcgagtggg 300
 acttggcaaa tcctcagtga actgaatgaa gtgcgaccaa gacgaaaccc taaaaagtaa 360

cagtaaatat tgcagcctcc ctcccacgca cacacacata cacacacact cccaaacgaa 420
 tacatgtgca caaaacgtga cgagcccctc tccatggaat gagtgggcag tgggtgtgtg 480
 gaatgcggtg gggtaggaga ttgggggagg gagatagcta gcacaaagcc accagcgaca 540
 accgcaccaa caacagcatg aaacacatgc cgtggaggcc tgcacatgga aatactccag 600
 taagtaagtg tgtgtggggt tggggtcgat ggaatcaaaa tcagtgtcaa tgtcaagaca 660
 gctctaaaat aaaaaaaaaa tacataagga aacccttggc gataagattc ttggtattca 720
 gtctttaaga ggttgccttt aggcacaatg acaccatttc tggtgcaaca actagatcat 780
 ttaatattct tttcggaaaa tggttatttt gttacagaat acacaacatt tattgtgtcc 840
 ttttcattaa gtttctatcc tggaaggcgt ttaagctacc atccagtttt tcgttacttt 900
 aaagccgaag gttgcccccg caatattgag aataaatatg aaataagata ctataacttg 960
 aaaagacaac cgcattttct attttcggaa gctgtgaatt aaaacgaatc ataaaaacac 1020
 tgcttttggg aaataacttca aggcattcta aacaacgtat tacaccggaa caaagtatta 1080
 caactatttc a 1091

<210> 751
 <211> 495
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 751
 ggcgtgagtt tgtgtgcatg tgtgtgagtg agcacgaggt gtggcgaggg tgaaaaaac 60
 taaaaagaga ggacggggag caggaggtgg agttgggggt ggaggcgcta tttattcgta 120
 tgtaggttgt gcctctccag ggaaaattct agaaaatgca tttccttttc gaatgagtct 180
 tagatttgat acagaaacag aaaaatgttt ctttttttca agttttttaa agtgtttcac 240
 ttaccaagtg cgtgaaaaga ttaacattgt atttaattgg aattaaaaac atttccttgt 300
 attttttaga aacaatatat ttaagtttgc aaactaaca tattatttat ttaaaggaac 360
 atacattaat aaaggggtat atggacaatt tctttagtca ttttgcttaa attttcaacc 420
 acataactgg gctaattttt tccacacatt tccattttac acctatttca aaccaacact 480
 tgcccaaat taccg 495

<210> 752
 <211> 466
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 752
 gcctgcgctg tgacatgtaa acaacttctg cccggagagc ggccctctct ctttgctct 60

cagctgtttg gcgtcgcccg cgatttcggt cagctgactg ccgccgcacg cagcgcggcc 120
gctgcgctgc tgccgcgatg ccagcgccga cattgacgtc tgcgtctgtt tgcattgcaa 180
ccacttgtgg ctgtctgccg cattgttttc gcatttccca cgcattgtgac tgagcccgaa 240
gcttttccta tggccttgacc gccgaacgct ggtctacgca ccggttagtc cgataactga 300
tggttttcag agccgtttgc aatcgtctga ctaacttaaa tcgccc aaat tgacaggccc 360
gatatcgagc gatcccgctg aagaccataa atgtgactac gaaagtgagc taggtcagtc 420
catgctatat gctgacaatg aaattataat ggtaaattgg aaaaaa 466

<210> 753
<211> 556
<212> DNA
<213> *Drosophila melanogaster*

<400> 753
acggaaacca aaaaaatttg tgcaaactta gtgctggaac aaaaaacgat gactacgcgt 60
tttcatcgat gggggcgaat atatcgcttc accgatgttt gaatgactat agcaactatc 120
gattgctacg attttttttc gaacaaacaa ataattataa gggatttaat aaataaatta 180
aagaaggttc aagaataata taaaacttat gatagtttaa cgaaattatg aaatataaat 240
atagaaatag agtgtagatc aatgatattc ttctgataaa ttttttttat atcatatatt 300
ttatattctt ttatttatta ttcatacaat tttatataaa ttacttcatt tgcactttcc 360
agaagaagca gtttcctatc ggaaaccgc agttaatgta cggcaatcgg ctgggtgcca 420
gggccattcc cccataggat ttcaggggag gcctccagca gaggaaccgg tcgacttggc 480
tgcgaaactt ttggagagtc agcccgatga ccatgggcga taccatctcg gagctgctgg 540
cgcgaaaccgc accacc 556

<210> 754
<211> 925
<212> DNA
<213> *Drosophila melanogaster*

<400> 754
agctagagca catgttctgt cgattcaata tttttctcga tagctcgacg tttctcttga 60
tatcgatgtt gggcgatgtt ttgcaaaaca tcgcctgtag cgcttaacag cagtgggtgag 120
tatgtgagtt agcagctgct aacaactgtt gtattgggag caaatttcaa aatatgctat 180
tgtactgtag ggcacttccc aaaaatgaaa caaattgccg ccttgttttt taaaccacat 240
tcaatgtaaa tatgtatttg ctgtttatgg tatagacttg acgtctgctt gaatataacg 300
cttttttagta gctagtttac attcattccg tgatatatgc atgcatcgga ttctttatct 360
tttgctggta gtagcctcag tatagtatat gttcaagttg ttcaactgcc tttgattatt 420

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| cgcaacacct | ttgcctgggc | gcgctgttca | aattggtttg | ggaatggggt | ttctgattgg | 480 |
| gcttacacag | gcgtaattag | taataattaa | cttaattgcg | tagcgtattc | attagtgggg | 540 |
| tgtgtaaaca | attttcaggg | cctcgtttg | acctaaaact | taacgatagt | ccataaact | 600 |
| taacaattag | gagtaaata | atagaactaa | tagtaggtaa | attgagtgat | tgtttctcat | 660 |
| taattggaat | tgtagtatcc | cgagatctcc | tctggattat | ttaggtaggt | atatattctc | 720 |
| caagcagttc | tatcctcagt | gaaatccaac | ggcgtgctgg | ataaatctca | atgtggcatg | 780 |
| attttgctgc | gttcccgtcg | gctctctcct | ttaaagtaat | tatggccagt | tgtatcggat | 840 |
| atttggtatg | tatatataca | tatatatata | tatatatata | gttaatat | atgcaccggg | 900 |
| cctactggag | ccgaatggcc | atggc | | | | 925 |

<210> 755
 <211> 1125
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|-------------|
| <400> 755 | |
| gtggagagag | aaataaatc |
| tgctgacagc | tggtgatgga |
| cgtcggccga | ttggcttcga |
| | 60 |
| taagggtatc | gaaaagtatc |
| gatgcgccgc | caggggtact |
| agatccaaat | gaaatacaat |
| | 120 |
| ttaaaaattcg | aatgtataat |
| aataattaca | gtgttgcccta |
| actaataagt | ccagtaccct |
| | 180 |
| cattgttcat | aaaaagcatg |
| accattgaaa | atgtatttaa |
| aatttgtatt | ttaagcttat |
| | 240 |
| atatttaggt | agctatttat |
| ttagtaagga | aaagcagccg |
| gttaataaaa | caattttatt |
| | 300 |
| gagtacgtat | gccttaaaat |
| gtcatactca | accggtaa |
| tgtaacgggt | tccagttcta |
| | 360 |
| actgttggtt | aaagtgttca |
| atgttgagat | ttagagattg |
| gaatagaaga | actaggatgt |
| | 420 |
| gtggacgggc | tgtgcgcgat |
| tggttggtgc | tattgaccat |
| ggagaagtac | attggtaa |
| | 480 |
| tcctggagcg | gggctacgac |
| agcattgaac | gctgcaagct |
| tattatcgta | agcgatctga |
| | 540 |
| tcatgctggg | agtggataat |
| cccgtcata | ggaagctcct |
| gctcgaggga | gtccggttct |
| | 600 |
| tggtcaacgc | acccgagcag |
| ttcatctgca | aggagccgtg |
| tgagctgcat | gaggagattg |
| | 660 |
| aactgaaatt | agaccgggat |
| gttgagttgt | ttgcttcgct |
| aaagtgcctg | gaaaatgttg |
| | 720 |
| atttcctaga | aacacctgtt |
| ccatattcgc | taacatctcc |
| acaaaagacg | ctcacaactc |
| | 780 |
| gggactcttg | caa |
| aatggaat | gtcaaagg |
| tggtatcag | ttacatcag |
| accttccgat | aacatattta |
| | 840 |
| actaaataca | aacaaagcaa |
| aaaataatgc | gtgtgataag |
| gatctttata | tatttttaag |
| | 900 |
| aaccaataaa | acgacaattg |
| aaaagctggt | ttacaacact |
| atcataatca | accaatataa |
| | 960 |
| tttcgtaaat | acctttcagt |
| ttaaataaat | acatcatatg |
| tatgtattgg | attatagtaa |
| | 1020 |
| aaaaaaatgg | ggtgagcaga |
| ttaccaggaa | ctcatactcc |
| tgtgggtttg | aattaatgaa |
| | 1080 |

aataacttaaa tgtaattaaa ggatcacaaac gcgtcacaaa tcttt

1125

<210> 756

<211> 1475

<212> DNA

<213> *Drosophila melanogaster*

<400> 756

| | |
|--|------|
| gcgtgtgctt aaagggaaaa gtcgaataaa ggcattgtga aattatttaa aggattgagt | 60 |
| acatatattc atttttcggc gtccacaata ttaaacgtta atcttatagt aaatgttcgg | 120 |
| cataatgtat gtatgtaacc ggtataagga agcctttccg actccatgaa gcatataaat | 180 |
| taatgagcag gtctagacga tctggccttg tcagactgtc catttaaagg tcgagatctt | 240 |
| tggtactatg aacgctagaa agttcagatt atgtctgcag attatagagg tctacgccgc | 300 |
| gcaagaatgt tttgaacttt acatacccg actaacgact accagccgcc caaatctgtc | 360 |
| gcaaacacaa ctttcaaagc ttaccctatt ttattatttg ttttgccatt accttaacgg | 420 |
| aacaggatat caacagggat attaatcggg catgaaacag tgacaggccc agtctgtcag | 480 |
| gataataaac caggatacgg actttccgcc tcagcctact atggccacat atgccaacac | 540 |
| aacgatgtca caactgtcct ttcgaaatcc gttgaatagt ggaaaaaatt catttccatt | 600 |
| gagggtacaat tacgaaaatt ttgaagtgtg cacaggcagg ataatagctg gcaatgcact | 660 |
| gaataatgca tgcgtgggtg gtgcctgtgc tttcacttcc ccaatttctg ccacccacg | 720 |
| tgaacacgct tttatgcaca aattacctgt cacttgtgct tacgtgggtg tagttgttag | 780 |
| ttgtgtatgc cacgcgagtc cacactatca cactctctca cgcgccgaa atccggctcg | 840 |
| gaggacaaaa gggctcatgg gctggaggaa cggaagtggc aatgggagga ccaaggacag | 900 |
| acttttgtga cagctgctcg ccatacatc tgcactctcg aagagggaaa aatgtatttt | 960 |
| ccgcatttgc ctgctgatgc tctttagcat ccttttctcg tcacacgaca actctctctt | 1020 |
| ttccattttc acgaatgtgc aactgtgcgt gcaatcgttt aattaacacc ccaatcatca | 1080 |
| aaatgccagc atcgatgtgg gcaattgcac ttagaaaagt gcacctactg aaacaagaaa | 1140 |
| taatttttga tcagaggagt agattcgtgc tgagaaattg gtattacctc atgaatttta | 1200 |
| aagaatatca cgcagaactt tgtagtatat atggaaacac gaggtattat agttttgcc | 1260 |
| tatacatttc ccagtgatga catagttggg aatgtaggta aaaatccata taaatataat | 1320 |
| ccaatttggt tgacaggagt gtacggcaaa cagttcacca atcgaccaat cagtaatgaa | 1380 |
| tggcaatgac ccacttctt aggtagtact ctcatatc gaaatatgac tgttcgtttc | 1440 |
| tgccataaat atcccctagg ctggcttgtg gcatg | 1475 |

<210> 757
 <211> 848
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 757
 cctcgtgcta attcatttta attcatttga ccgaagggtga atttgctgcg ggtgggagcg 60
 agagcgcgag aggaagaaga agcagggcgc acatgtgcac tatagtaatt cctctctcac 120
 tttgtttatg ttttgttttt gtaacgggtt atttcaattg ttgtagctta agctattttt 180
 ttctaattgt ctatgaggaa gtgtgtgcaa gctcttttga gttgttttgt acttaggttt 240
 ttttttttca atttttctat tttgtgcgaa ggtgtttcca tttgtaatta caattacatg 300
 cctctgcctt cgagtgtgtt tgtatgtgtg ccccgtttgt ttgatgtaat catgggttac 360
 aaaagcgttt tgctattgct attgctgttt caatttgtgc gataagggtcg ttttgctcta 420
 tgattttgcg taattacatt tgataatgtt tcaatgtgaa aacctttgcg gtaccaggca 480
 tatgagggca atttaagttg actctgtagt tactgtagta atgtatctat attcataatc 540
 aagtgcaggt tctttgcatt tgctagcaca gtgaacaata tataccctct attatgcata 600
 ttgcaattcg aattcaagaa aaacaagaac gagggagggt cgagaagttt aaatagttat 660
 ccacatatct tgaagttata aaagccatgg aaatgcatag cttaaacata ggaactgtag 720
 atacatcgaa aatcataatt gtttcagttt gctgaagaag actgccccaa gaatatgcta 780
 gaatttgagc gtataatata gacagcctct agacaattta attaaactta cacatgagag 840
 atgaattc 848

<210> 758
 <211> 527
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 758
 ctgctgcctg cttcttgagc gccgaacgtt ttatttgtga ttttagcacg gcgctgagag 60
 gtccacgtcg ctcatttgct ccgtgcccgc togacagctc caattcgaaa acgacgtaaa 120
 cgccagccgt tcgccaagcg cgcgtaattc aaagttatca actcgaaaca ctgtttcccg 180
 gaaaaagtgc acaccgttaa atgtgaaata ttcaatcaag tcaactggag aatataaaaa 240
 aatattaaaa aaaattaaag tgaactgcat tatacacaga ttgatcagtt taagtagtgc 300
 cagccatgggt cgtccaagtt ctgtgatgcc gcttttgggt cgctcctacg cctggttcgt 360
 cccgctttcc ttcgggacac ctgctggcca cctttctgat ccgcccacgc cgcccagtga 420
 ctgactgaaa ggggatcgta ccgccctgaa caaaaactca aacgcgttac cttttttttt 480
 cgtttccatc tatttggtat taaccgttgt gaaatgggaa cggccac 527

<210> 759
 <211> 646
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 759
 gttcaaaacta gactgattga gagacggaga gagagagaga gagagagagg agtgagtgag 60
 tgagtgagta atcgccctgt ggctgttggt cgtatgcgtg catgtgtgtg tgtgtttttc 120
 ccccaaaatg ggccaagctt tgtggacccc tcgtctctac tcacccctgcc tcgtctactc 180
 ccttgacccg gtccttaccg cttcacaccg ctttagagtg ggtaacaagg tcagcaaata 240
 gagtgacccc cacaggagca tatctgctat gtatatacat atatatgtat atttgttgctc 300
 aatatgctcc acaattggag ctaacattac acctcttcca attgggagtt ggccactggt 360
 gccaatggg attcgctttg acagatatct tcctattggg ttttcagcca tatgcgaaat 420
 atatacacac atatgtatct gtttttcttt ttttaagttc tgtgctatct tttgttggtg 480
 ttttgcattc caacattttg taaaaattac gattggcact cctctgtatt ataacgaacg 540
 agaaaatgat ttgcatcaga gaacaacgtt ttgggaagta cagaaacgta atttggttcc 600
 ataaataatc aagttaaaat ttaatccata accgatgtca gtttaa 646

<210> 760
 <211> 93
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 760
 gggcgtggat tgaaatttgg caacgatcgc gtgagcagga gtaagtgaga gagggcataa 60
 gtgagaaaga gatactggat ggtgggagaa ttc 93

<210> 761
 <211> 1064
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 761
 atccagcctc atccttttcc ttcttgctgt ttttgctctt tctacaaatc gagaatttca 60
 attgatgcta ttggcagatt tttagttaca tacttgagtt tctcgcttt tagaaccaat 120
 ttcttaatgc gtgcatgac gtagtctgac atcgtcacaa aataggtaaa ttgttgatat 180
 agttttggtt tacaacacaa taaacaaaca tgcgatacaa catcgcatg gagctggtct 240
 atcggttatc gatattctac caataaatac tgtaagcgta cattttaaaa agtacggact 300
 caaaccattc attaacttgg taaaaaaatt aaaatcaaata gatttttgat ctgtgagaga 360
 taagacatat ttcatctttc atcacatata tatatttatt ctgtaattc attatatatt 420

| | |
|--|------|
| tgcttacaaa aaggaaatac aatcacggct gctggatttg ttaaactaaa caaaagactt | 480 |
| aaactaaaca ttgtacttag atacatactt ttataaatga ttattataaa ttataaataa | 540 |
| atatgtgtaa ataatacggt tcaaatagct taaataggaa acatcttatt ttcataact | 600 |
| ttggaaaaag cggtggcatg gtcacatata agcttgtaaa tatgaataaa tacaacaaac | 660 |
| aggatcgccc gtaagtaa at aggatgcac aaataaagta ttcaactcca tcacatatat | 720 |
| ccttcgacag agacattttg ccattggccc tgaaatggag agggatatttt ttttttaatt | 780 |
| ataaattcaa ccaacccaat gtttagattg cataccgcaa tgccaagggt ccctcctacg | 840 |
| cctgcaggat tttcctctgt aattccgcag cgcccgcaaa tgataccatt gagggagatg | 900 |
| gcccacacct cgagcccac ggacaccgag cggaagccac aatgctgatc cgtgtgcggg | 960 |
| ggcacattgg cggcattggg ccagaactgc cagtgggagc cctcagggaa agtcctcgaa | 1020 |
| atctccttac gcacagccaa acgttgctgg ttgtccagcg ccca | 1064 |

<210> 762
 <211> 1345
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 762 | |
| ggctaataa tgaatgaacg aggcggaatg cggaagagc gcagagaggc gcaatgacaa | 60 |
| aatagttgta gaaaagcgcc ggcaagcgga actccacact ctttctcact ctctctttcc | 120 |
| accacacccc ctagttcacc ggaaaaagaa aattcgtttg cggcgggggg gtatctttca | 180 |
| ccaaaaagag agtgtgtgca aaacgctaga gagagagaga gagagagaaa gaactgacgt | 240 |
| cagttctgcc tccgtcgacg ccgctgccgg cgtcccaaag cgccaccacc caaaaaaacg | 300 |
| cgagaagaag cagaacaaac acacacaaaa attcgcacag tggagcagaa atcaagcttg | 360 |
| tggcaaatat attacttcat tcatcattcg acgggcccgg tttggctctc tctctgttt | 420 |
| tgccaatttt ggtgatcacc attttagcat atttttctc atttaataag tttgcaaaaa | 480 |
| aacctaggta cagtgaatg gttataatta ataaaggat ttacattgat cccttttttt | 540 |
| acataacatt tattaagaaa gtaacaaaaa atacatcaa actttataaa atgcatcttt | 600 |
| aacaacacaa aaccatatat acatacatat gtacatatgt atggcccact ttactgatca | 660 |
| ttactgtgc atataagtag tttttaacaa gtgggtttct tttgcttttt ggaccgtga | 720 |
| gaaaaaaatt cagaactgcg gctgtctggc atccactgtc ttctattagc ccggtcccga | 780 |
| atctttcacc accccaact caaaagtcac cagctgatga gctggtcac aatttctgtc | 840 |
| tctctctcat tttttggcgg cttttgggccc gaattttgtt tgtttgctcg taaaaataaa | 900 |
| tcatcgaccg tggaggaaac acgagcgatg agtgaaaaac tattaaattg gcaccatcgc | 960 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| accacgaaaa | acataaaaaa | aaatattatc | atgacccacc | tgtctgcctt | gaatcactca | 1020 |
| ttttccacaa | tttattatag | agctacaact | ttagagtggg | tcgaaaagac | aaataaaaaa | 1080 |
| ggtaaaaaatg | agtgtcgagt | tgaaggaatc | cccttggtcg | ccttaaactt | ttggctaacc | 1140 |
| cactttttat | aataatgaaa | aatttaacat | tgttttgaac | tcacgaagtt | ttagacaaaa | 1200 |
| acctgtttat | agatgggatg | ttcgttcata | ctggaattgc | ccataactca | ccgcaaatga | 1260 |
| atctttgact | ttttgagaat | gcttctactg | attgattgac | aattacttaa | ttgataaatt | 1320 |
| ggaaaagaat | acaggggagg | aattc | | | | 1345 |

<210> 763
 <211> 597
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|-------------|
| <400> 763 | |
| ggcgttccca | tgtgttggtc |
| tgtatgccgt | agtgtctgccg |
| tcgcagcggg | tttcacgcca |
| | 60 |
| aatctggcct | gtttcagagg |
| tcaggaacta | acttagtctg |
| caggtgtagt | tagcatgttc |
| | 120 |
| ccgcctacac | aggttcactg |
| aacaaaagta | tttaaacata |
| aaaatatcta | ttttatagat |
| | 180 |
| acaatttttc | ttgttcttat |
| agtttttact | aagaaaacga |
| ttagttataa | aaaatattat |
| | 240 |
| gtaagtgatg | tcaaaaaaga |
| aagtagcatg | tcgttggtat |
| tcttttcata | attgagttca |
| | 300 |
| aggctaaact | ttttctattc |
| catatatttt | ttaaataattt |
| atatcattac | ccgaattata |
| | 360 |
| tttcaaagga | aaaaacagtt |
| aggtaaactt | tcttctatta |
| tatttttact | ctttaaaaac |
| | 420 |
| tttcctatgc | attgtagtaa |
| acgtttttaga | ttgttttttg |
| cctatttatt | taaacataaa |
| | 480 |
| tcagcaaatt | ctattttatt |
| cataaatgtc | ccaccaacca |
| atgttcttca | agacaatagc |
| | 540 |
| ctacagcact | agtattccgt |
| cagcatgtct | gccacaatatg |
| ttggcgcagc | agaattc |
| | 597 |

<210> 764
 <211> 577
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|------------|
| <400> 764 | |
| atcgtgccca | actcccggcc |
| atcggttatg | gcgtgtcctc |
| gaaaacgggg | aaaaaagtta |
| | 60 |
| caactagcag | taaacgtgaa |
| aaaggaccag | caaggacgag |
| aaaatctcgg | cgaggcgaaa |
| | 120 |
| gcgctgtggt | ttcattgtcg |
| tcgtcggtcg | cctttggctc |
| atcaataaaa | atttccttga |
| | 180 |
| cattttatga | gccaaaggat |
| tctgagctca | ctttacttac |
| tccattcgcc | attcagccat |
| | 240 |
| tcgccgggat | ggccaatata |
| ttaaatacga | caacggatta |
| aacgctcggg | tgcccttttt |
| | 300 |
| atgtccgctt | atatttatgg |
| acaattattt | aaaagaaaaa |
| aaaattgcca | ttcgccgaaa |
| | 360 |
| gtttgcacac | atttatgggc |
| tgtgaatgct | ttatataatc |
| gccatggtga | tcgaatccca |
| | 420 |

caaagaagtt ctacttcac ggcaggaat gaggggggaa aatttaatta agcctcttcg 480
cgattgttta taaattcatg ttaatgatat ttggacagcc cccctttttcg gatgccgaaa 540
gtatctgcaa ttacgtcgaa tcgttgggcg cgaattc 577

<210> 765
<211> 940
<212> DNA
<213> *Drosophila melanogaster*

<400> 765
gtttgggcac agggttgtat ttcatttatt tttgggggga gtcgatacgc tctcttgggc 60
tggtcgaacg gtcacactgg ccgagagata acggaaaatg tttcaaaggc aagtaaagat 120
tataaacgta ttaagcttaa tactataatt agcttactat tccaagtatg tataattatt 180
acacgtttta aaggcataac gttaagtgtg accaaattat atcaatggat tttgaatacc 240
aatattatct attttatatt ttgagcttaa tatattaaat cacatatatt taagcctctt 300
tatatatgta aatattttta ttttattaaa ataaattata tattgttttg taatatgac 360
gagggctgcc accttgtgat aaatgcttac caacactttt aggtacgccg tttagtgtac 420
gtaagttgcg tacctagata tccagcgaaa tcaaaacatt gagtaaatcg tggaaaatgg 480
atgacaatag cttaatctac ggactcgaac tgcaggcgcg ggctttaaca cctcagtacg 540
gagagagcaa cgatgtgtgc ttcttcatag ccaccaactc cttgaagccc accaatcagg 600
ttcacttaat ccagtacgag gaggagcagg gatccgtgca atcaaaggcg aatatctggg 660
atgatcaaag tatgagctaa acatacaact ttgaacaggc ctttgagcac gccctgggtg 720
aagtttgga actaaatagt tgtccgcgta atcctcgccg gctggcctcc gtctacaatg 780
tacaaaaggg agcacaagtg ctgaccaaag cggctctgtt tacgctgccc gagaatctca 840
atcccgatcc ggagcagctg aagtcagagt acctgccgtg ggagcagggt gaggtcctgg 900
ataccgaagc actgggcgaa cgtgtgaagc catcgaattc 940

<210> 766
<211> 1131
<212> DNA
<213> *Drosophila melanogaster*

<400> 766
tgctggctac ttctcccgag ttccccagat taccggcatg cacgtagccc cagcgggcgc 60
cctaattctt atgaaatcgt aaacatcggc gaaatgacaa atactttcta tatacctcga 120
actagtacct aaatatgtat acctgaagtg cgtaattgaa accgaaatag gcgctgaagt 180
tttggagtca attaccatga gggcatgtca acaatacaat taccgaaagt taataatggg 240

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| gatagccaac | gcagctgttg | gggttagcct | tcgcactttg | gaaccagctg | caggtcggga | 300 |
| acactttttg | ggcaatctaa | tccgatgttc | tccgttcggc | tgagataatg | gtttaagccg | 360 |
| tgaatacacc | tggcctctca | taatctgttt | ttagttgagt | tccgcgggtc | tcgcactttg | 420 |
| gcccgggtcca | aaaccagttg | gcccagatca | gcctcctaga | cccatgattt | tacatatgta | 480 |
| tattccactg | aagtcagacg | aaaacaaggc | tattttgcat | agctcttttg | tttttttttt | 540 |
| tttaaattcc | agaagatgag | ctcaagtgac | acgcgaattg | tatccaaaac | ttctatctaa | 600 |
| ttgcatattt | atgtcaaacg | caatcgacta | cgaaataccc | agacgaattg | cttgcgacaa | 660 |
| agaaaaatgca | caacgaagct | ttaaaagatt | acctcacagc | cttgacacct | gggtcactca | 720 |
| aatattaact | aaacttttaa | ggtacataac | tcagaaaatt | ttcttaaaca | gcaataattc | 780 |
| tattcagagg | tcaggagtta | aattgttact | aaaaagaaat | taaacttgta | atggactgcg | 840 |
| ttctaataat | taatacatac | aaacatataa | taatatatgt | acaacttttt | atgtacatcc | 900 |
| ataaattttct | gtatcaaaca | acaaagtttt | cgtagtgcgc | agttaaaaaa | acgatgagcc | 960 |
| ttaaactctgg | tgaattgtgt | gcgttcgaac | ggaaataatc | atagagaaat | tttagcacct | 1020 |
| tttaactctca | tcaccagagc | caccatatat | gtatggtaat | ctggggacgc | aatatataga | 1080 |
| cagaatcgta | gtttcaaagt | catcctgact | tcagcgacct | aatgggatta | c | 1131 |

<210> 767

<211> 687

<212> DNA

<213> *Drosophila melanogaster*

<400> 767

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|-----|
| tgttggtggc | tctactcttt | ctttcctttt | ggttcgtttc | tttttgtag | tttttacagt | 60 |
| aatttcatac | tcgtggagac | ggtgagtgca | attgccgccca | ccgctctctc | cattacccat | 120 |
| ttcgacagcc | gtctctcgct | ctcccactta | tgttttttgt | ttgtcatgtt | ggctttggcc | 180 |
| tgtttttgtc | tttggttggt | gttgtagagt | gttgcttttg | caatttactt | ggcacacata | 240 |
| caccgcgcga | caaagtaacg | agcaccagca | aggccccaat | gcaatttggt | tatttgcaaa | 300 |
| tacaatttcg | atttggcgcc | agataacggg | atccaagggc | tcccgttacg | gatgtcagtg | 360 |
| ccctgggaag | tcgaaaagga | ggaacggaga | gcggagaaat | accggcaaaa | catgcgttcc | 420 |
| cctgttgagg | ttaaattgga | agcgcggcct | aaccttaatg | ggttttacaag | tttgccgcaa | 480 |
| tccaagtaat | tcgtcttttg | aacaattgca | ttatataatg | cgggtgcattc | attttaaaac | 540 |
| aattggaata | taaacttgaa | aagatgtggc | tcgggaaagt | tccacttatt | agatggagca | 600 |
| cttttaaaaa | accgattaga | atacccggtt | aagcaaaaaa | ggtagcttat | tgcatggaaa | 660 |
| aattaaaatt | aaaagttaat | ttgggaa | | | | 687 |

<210> 768
 <211> 510
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 768
 gctcggagtg agcttttggc cgccgctgcc gcgcctcgac ggttaccgcc gctgtcgcgg 60
 ctaccgccgc tgcttctgct gctgccgctg ccgctgccgc cgttgacgtc gcagccgagt 120
 ttgataaagc tggtatcagg cggcgagttg cgctaaggtc gcgatgtcgc ctttatggaa 180
 atttaatacg atgatcgaac tagcgctcgc tttgcggtga attacccatg ccgccgcgaa 240
 tttattggcc ccattcaacc gcatttcacc tcctccgac gccggtactt tttttttttt 300
 tgccaatccg aagggttctt tttcaagcgc tgcggctacg agggctatca cacgtgtcac 360
 tctgaatcga cattccaaat gacagatacc gcgtgcagag agagaaaata ttggcaccag 420
 acaatatattg ctttattcag ccaaacgttt tcacttaaac caacttggtt gaaattagct 480
 ttgattattt gcattgagtg attactgac 510

<210> 769
 <211> 1144
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 769
 ggccaggcaa agcgacgcgg acgcggacgg cggcagcgct gcgacgcaaa tgacagtgc 60
 agtgcccaga ggcacgctgg gtatatcggg tgggaggtat tcgcacccct tttcctcgtc 120
 tatggtttag atggttttta gtttttatat ttcgttagag ggctaattggc actcgttttc 180
 atccaatctc tcatggttac ctttatcggg agtttagatg ggtattttac ctataagttg 240
 atcgtttaat tagtttttca aattatttaa tacatataat aaatagaatg tttttaaatc 300
 aaccgattgc taatgataat ttacacccc ttttagcgct cctcttggtt aatatatttt 360
 ttttaattat tccaagatc atgttaagca ttgggcaatg acctcccgca tttactgggg 420
 tagcaactat tcgcatacca accaattgca cgactgcagc attcttacat gtctgtatta 480
 gtctcgtgtg tgtttgtacg actgtctgta tgtttgtgcg ctgtgtgccg ctttgagggg 540
 ggaagttttt ctacttctct ggaaaatgcg cgtttatttg aacgttcctt acatttcgct 600
 gcaccgagtg tcgggcatat gacactggcc ccaggcccct gctcccgaaa ttggcttggt 660
 cacttgGCCa gattgctggg cagaatatc atgcgcgac cgtgcaggcg aagtgcatt 720
 tatgctggga ctgaagccga taccgagctg atccgaacct catagccaga cacgcagcga 780
 gacgagccac gaaattcgct gtaagttatc aggatgaaaa ccggttggga gcgaagcata 840
 aaaactgggt tccagcgaga gatgagctac tttttgtgac cgccgctcag gcaacaacaa 900

| | |
|---|------|
| atgtattgac aacgtcgagc aggatgactt tttgaatatc tggatttggt ttaggcacag | 960 |
| cagaaagggc cattaagatt gcatttatgt attttaatgg tagggaataa atttatttga | 1020 |
| ataacaaaat tctggatctt gacactttgg atgccctaaa ctctaaacta ctattgtagt | 1080 |
| tctttggagg taaaaggtaa ctggatttaa tatattacct gatatggcta cttggtgaaa | 1140 |
| acat | 1144 |

<210> 770
 <211> 113
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 770 | |
| gatcatagta ttgtcaacat taatgctcgt catttaaata atggagatgt ataaggaaat | 60 |
| attttatata tagaacta aaatacctaa tccttatagt tcttttagaa ttc | 113 |

<210> 771
 <211> 1166
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 771 | |
| tgcgggactt tcaagacgcg cggaagctg cggacagtcg gattggaagt ggagcggact | 60 |
| ggaatgcaaa caagacgacg cgtgtcgagt gtttgtgata gaaacaaatt gtttttgaat | 120 |
| acggtcggtg ctctatttgt tttgtgaaat acaattgatt tcaccagcga ctcagaggag | 180 |
| gatcagggtc gtcacctctt ttgcatgccc gacattcgcg cggattcgaa gttcagctgg | 240 |
| tgagattcga gcaacaggtg gcggatgacg gatggatgga tgggtggcta aatggatcgt | 300 |
| gtcgatgggc cacgggattt ggcgaaattt ggtgctgata gacttataga ctgacatagg | 360 |
| cccggcatta ttatttgtgg ccaaaagggg tcaggcgggtg tgccgcgtga ggaaattgaa | 420 |
| ttgacttggc ggccaccggc ggcggtccga aatcgaaatc tgtgtcgcaa atgtggcact | 480 |
| aataaattat cgcacattcg cgcgcgcac agcgagtgtc tcattaatgc aggaatcgca | 540 |
| aatgacggag aatatctagt tttgcagcgg cactgcgttt gtttcatttt gccaggagaa | 600 |
| cgtgacccaaa ctttccaagt gccgcgtgaa ttggatctac ccagccaata ggtcttaata | 660 |
| gagctaacaa ttatttttgg tagccacgct tcgcgaagct gggcgcaaac aaaaaagaac | 720 |
| gcaaactccg tggcctataa atatcggctc tcggaattac taaatccaat tgcagtccaa | 780 |
| ttagcagtcg gacgccaatg aagcggctgt gaaagagtaa gtacgatgct cttttgaagc | 840 |
| aaatacttgc aaacgtcaaa gtttacacac cctaacgatt aaagaaagt taacttaact | 900 |
| gaaacataaa aaattatgct taaataaata aattgatgtc ttaatttgcc aatcagactc | 960 |

| | |
|---|------|
| tgtgactcta aacacacagc tccaatcaga cgaattttca aatctaattct gcttaaaaaat | 1020 |
| aaaccaaagt gattgataga gttttatggt gatagctatt taactgatat aggctataat | 1080 |
| agacctttcg gtgaaagtcc cttcaatgct tacaaccata gactgcagcg catatccctc | 1140 |
| caaaaaggag aatcaaatca caaacg | 1166 |

<210> 772
 <211> 582
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 772 | |
| aggcgtagca acaaactcagt catcgctcgcc caggatgcga gcgcgcctgc gcaggcaatt | 60 |
| cgccggagcg tgcgcataaa ccatatattc ctctcgcttg cactcgctga gttatggcca | 120 |
| agagcgagtt aatggcacia ttgttgcac tgaacagagc ggggcagctg catgattgac | 180 |
| aatcatgccg caccgcttgc acccgttgac tttgctggtt tttgtcgctc agcgctctct | 240 |
| tcgctggttag ttaacagcga tgttaggagt ggaaacacgt ccgactgtag cgtaaattca | 300 |
| aacgtatctg gcgggttggg tttccgatga aatatcttcc atccgcacag tgtatttttg | 360 |
| actgcgaagc gcgtacgacg tgtgtctgtg ttgcgttgcg ttccaataaa aaagagaaga | 420 |
| aaagcgaaaa agtggtgccc tcggtgaagt ttattattat tatgattatt attattggcc | 480 |
| gttaccacgc gttttggcat caatcaacia ataaacacac aagaaacatt tggaaatcgc | 540 |
| gcgcgttttt catcgcgcca caacatcacg tttttaatgg gg | 582 |

<210> 773
 <211> 727
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 773 | |
| ctctcaactc atcaatggcg aacgtaattg gaaaatattg aacgcgagtg cgaagaaaat | 60 |
| gtgaaattta gcacggccag agctgcaaca gtgtttgatg attgaaaagt tttgaaaaag | 120 |
| aggcgataat atgccacaaa caagaaacga aaactgacta aacgtgcaaa ctgaatacgg | 180 |
| atcggaaaatc gcagtaacta gttccctctc tctttcgctc tcttttctct tctaataccc | 240 |
| ccgccccgcg ccctaccggt tgcaaaaaca aaatgagatt ctgcgttggt gtttgttgcg | 300 |
| tgttattttt gctggccagc gggcttattg catcagctac agcaaaatca caacagggcg | 360 |
| actcggcaga agtcgtcagc agcggcgagg atgagaagac ggtaagtggg ggcggcactg | 420 |
| ggccgtatga ccactaagg gctaactg gactaccaat gaatatttca tcaccttgcc | 480 |
| cgatatgttg ttcataagtt tctctcgctc ttccacaacc cgcaggactg cacggacctc | 540 |
| gcccgcgacg aggaggcgct gatggtgttc tccacactgg gcggcggact gacagccatc | 600 |

gatccggtga ccagcgaaat acgctggaca atagcagatg gtaattacgc gggcactccg 660
 ctgtcttcac actcactgca cccctatctt cgggccacaa gtgtgggact cgaacatag 720
 atggcaa 727

<210> 774
 <211> 1010
 <212> DNA
 <213> Drosophila melanogaster

<220>
 <221> misc_feature
 <222> (1)..(1010)
 <223> n = ambiguous/unknown nucleotide

<400> 774
 atccgcatag aactccggac gacagtgaag taagtcagtg gaacggagag gcgctggacg 60
 cccagacnnc tatatataaa ttaattgccg cacagaatat tcgtggcagt ttcgtttaag 120
 cttgagccgt gcttaacggg ttttttttcg gggctaagaa cactggttgt gcacacagaa 180
 aatgttgaaa atcgtattcg tagtcgcggt tctgtcgcta gtgaagtgtg cacaatccca 240
 aattgcttgt gagttgattg aacaaatgtg acgaaaagag taataagtca aatataatat 300
 gaaaaataaa ataattatag ttcttaaatt aggattcctg ggaactacct tttaactttt 360
 aacttgtgtt taatattcca ttcatttttg cagtccttaa tatttttaggt tagtttatat 420
 caattaagaa agcatgatct ttagcattg tggatttata tgctaaattc actggataaa 480
 tctaacatct aatgttccaa ttgcaacagt ttatgcttcc ctatttgata agaactcaac 540
 ctacaaatat ttcaagattc tatcaaaact tgtataatca taaaacgtgc ataaggaaaa 600
 gtttactaga ttatgagaaa tataaataaa tgcgtttctgc ttatattaac taattatctt 660
 caacactcct tatcatgaac tcacgcaaat tgaaattcct ctgactccca tgacagttag 720
 caaccagcca tgctcgggtc gaaatccaaa aatcgtggga ggtagtgagg cggagcgcaa 780
 cgaaatgcc tacatggtca gtctgatgcg tcgtgggtgt cacttttgtg gcggcactat 840
 catctcggag cgatggatcc tcacggcggg acattgcac tgcaatgggc tgcagcagtt 900
 catgaaacca gctcaaatca aggagttggt ggggtgcata gcatcaggga gtacctcacg 960
 ggattggcaa cggtcgggat gcctgagggt ggactcaaga acattgtgcc 1010

<210> 775
 <211> 1426
 <212> DNA
 <213> Drosophila melanogaster

<400> 775

| | | | | | | |
|------------|------------|-------------|------------|-------------|-------------|------|
| gtctggcggc | tttttgcatt | tgctgctgcg | ctctatttga | cttttacttt | tcatttgcct | 60 |
| gcctgccacc | gcgaagagct | caatttttga | gctttttgtt | tgtttctcaa | acgccttccg | 120 |
| tccataatat | aaccactcac | atttccgcct | ctatgtctgc | atatgcgatt | tgccacgctt | 180 |
| gtacgtacat | gcgattgtat | tcgagtattg | aagtattcaa | gtattcgaat | actgaagtat | 240 |
| tcaagcattc | gagttgttcg | agtatctgcg | tattcgagtg | gaaaaacatc | ggagaaagaa | 300 |
| gtgaattatt | atcagggcgt | attgttacat | ttttttttta | tcccattatt | actcgagctc | 360 |
| ttgaaaaaga | aaaaaaaaaa | agatttttact | tctatgccac | agcgattgtt | aggattgcaa | 420 |
| ttactctcga | ttaatgtaaa | ccccgctgat | ctcaccaatt | tctgcagaag | agaaattggg | 480 |
| ccaactttat | tgtgaatcta | gccagccaac | cgagcagcac | aatctgcgtt | gtattacatc | 540 |
| tcagccaagc | gttaaccgaa | atcctaatta | atttgttatg | gcctggcgta | taaaaatcag | 600 |
| gcgtaaatgt | atâtatatat | atacatatgt | acgtatctac | tccctcgact | tgaacgacct | 660 |
| caagtgaaac | agcgggatat | aaatacatat | atacatat | atgtacatat | atatagaagc | 720 |
| cgaaatcggc | ggtgcaagat | aaagcgggct | aattacataa | cgtttagcacc | gcgtactggg | 780 |
| taagtgtaga | aaccactgct | tttcggccat | ttctatacag | ctattaaatt | ggtcaattac | 840 |
| gtgtgtgtgc | tcccatttgt | tgtttttttt | tcttttcgcc | ttagccttta | attttgattt | 900 |
| cccgaaaaat | taagtttta | ttgaatttgg | ccattttctt | ggcgatacat | ttcacaatca | 960 |
| tcatcaagtt | atgtgtaata | tggttattat | atacaaattg | cgctatttgc | tcattattatc | 1020 |
| acacttaaag | ttgcaaaaat | atatatgctg | cagttttgag | ataacttttt | tttctttgtc | 1080 |
| gcttatttct | gcatttgaca | atgcaactgt | aacagttttt | gtgcataaga | taacaattaa | 1140 |
| atgttgtagt | tccgtaaaaa | aaactgctgc | atagccatat | ttatttgtga | cttttaatta | 1200 |
| ctgcaaaatg | tagcggggtt | catttctttt | tttcgggtgg | ttggtgaacg | gggggcagag | 1260 |
| ggcagggcgg | aagagagcaa | ttcgtggcgc | tatcattaaa | caaataataa | atgcttactt | 1320 |
| tggcataata | tttattttgc | gcgcctcggt | gtctgcgccg | tcagaaattg | taagccgttt | 1380 |
| tttgagtgat | aacaatgggg | caaaaagcaa | atggcaaatt | gaattc | | 1426 |

<210> 776

<211> 403

<212> DNA

<213> *Drosophila melanogaster*

<400> 776

| | | | | | | |
|------------|------------|------------|------------|------------|------------|----|
| tgccagcggt | tctctcggtg | tttgcttaat | taactttttc | acattttgca | ccttaatttt | 60 |
|------------|------------|------------|------------|------------|------------|----|

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | tgggagttgg | tgacaacgct | accaggtcgc | gtaatgggtc | gctcctccaa | 120 |
|------------|------------|------------|------------|------------|------------|-----|

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ggctgggctc | ttatcttctg | tagagaatgc | aaagatgttc | gtggaagcgg | aaccaatgcc | 180 |
|------------|------------|------------|------------|------------|------------|-----|

agggccacgt cagccgcagc tataggcaaa tcgcaagaag ccggcgataa ggcggcattc 240
 aatatgtata atacgacaat cccgattgtg aacgtttgtca agccgggcat tatgtcatct 300
 tcaactgctg gtgcccccca gttctcattc aaattcgagt gcgtggatgc gtacctaat 360
 gcagtcgtgg ctccgaggag ctgcacttgg gcaatgggaa ttc 403

<210> 777
 <211> 1111
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 777
 gactcgctc tcagcgatgc ctgctgtct gaacgaactc tcgtctgctg gcgttgtgtg 60
 tcggtgtctt tctcttact ctttctctt tactgcctct gtgcctattc atgtgcctgt 120
 ttgagtgtgc gggagcagag cgcgtattta gaatgggagt cgccaaccgt gagaggacag 180
 gggcccatct cggagagcct ctctaagctt ttttagccaa aacattcgcg aattttttca 240
 actttttgcc ggcgagtgc cctgcgtgag tgtgggttcc gcgcgtctta cacaaccgcc 300
 ttggtgttag tgcagtctct cgaaaagctc gctcttcagc tctattgtca tattccaagt 360
 gttggagcag cgaagcccgc agtcgcagcc ggcgtgcag tccttctatg ccgccacaat 420
 ttctaaaaat ttcgaacttg atgcactaaa gactcactct aaccaacagc atatatatgt 480
 tcttattagg tggggctgca attaacgcaa gtgttacaca ttttactcag ttacaaaaaa 540
 ttattcagga tcagctttgc tttctaagct tgaaatgtgc ttggacttga tctacatattc 600
 tatgtatgta ctatgcatgg aatctttaat aatttttgtt ccactatag attcttgtgc 660
 ccacaaattg aatttcacct atacgaaaat atacctatag aatatacata ttactctacc 720
 ctaggaatcg gtggccctga tataccacga cactaaggac tgcagtcaac gtagtaacga 780
 agcgcgctag gaaagatcat atacataaat atatcataaa tcatatacat ataccgaacg 840
 taatagcaca aaaaataaaa aattgcataa caaatctcaa aaaacctata tgggttataaa 900
 gaaaaagcat actaattgga aaagtacaat ctaaaaattg tgctgatatt ttcccattac 960
 taaattttga tggaatttcc agtaaaatgt gttgctccag cttgtagtta gttgggtcatc 1020
 ctaattttcg aactaaaata tctatttttc ccgacccttc cgaaatcacg tttactacaa 1080
 atgacttttg gcagtggatg gcgtaagata a 1111

<210> 778
 <211> 499
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 778
 ggttaagcag agaacgcccg aaaataaaaag tgaggtgcaa tgtacagctg gattctcagg 60

caggcgaaca ttaccgaaca aacaatgcgt cctcgtcgag aaataaagca cgtcttaaata 120
 taataataag cagcataaga acaacaaata ccagtatcct cagacgaaga tgaaccaagg 180
 gagaaaagag agaacttaca aaagcacttg aaaaaaaagt aaacctgaaa accaccacaa 240
 taaaattatt agacaacatg tgctgcgac cttatacaat actttcaaga aagtatttgg 300
 tattttgatt taagcataac agaaggaaat gcttatgtta tgttacttgt ttatactata 360
 aatccagtgc aaacaattcg gttctctcag tgggtaaaag tgaaatgtat aggggtgctgg 420
 catcatcatc tgcctccac tttgcaaagg gaatatctga gcacacctga gtgggctgga 480
 caagcggatg acggaattc 499

<210> 779
 <211> 371
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 779
 gggtcgttta tttggctttt ggagcgttga ctcgtcgttg tcggctgtgc atgatgatga 60
 tgacgatgat gatgcagaag agaatgatga tgatgatgac gacgacgaca acgatggaga 120
 ggagacgagg ctgcttgaat agatgctcaa tcgtttgggt tgaatgaaga aaagcatgtg 180
 gagtggcgag tggaatgaag tgaagtgcc atggagtccg tgtccatgtc cgtatccgtg 240
 tgtgtggcag agattggagc atgaatagga atgccaagaa ggagacgatg gaggaggagg 300
 aggaggagca gtagcaccag cgtgagtgcc acttgcggtg gcataatgtt cttgttgatg 360
 tttgactaat g 371

<210> 780
 <211> 1013
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 780
 atttggattt tcatattgtt tttaagcttt ttttttctgc acatcatgaa acgtgtcact 60
 ggcattaacg gttatcttta tggtttccgt tatgtcttgc gttcagttcg ttgctgataa 120
 ctctcctgca cagttacagt gcactatcga tatggaggac ccataaatac gagcattact 180
 gttattttatt cgactagctt cggtaattga tattgcatat gtgaaacttg aagcaaagag 240
 cactatatta tgtttatgtc taaatataga tttcgtagtt gttaaagggt cataaaacgt 300
 tgctgtcgtt ataaagaaga gtgccccgta atcatatacg tgcctcgtac caatgtatcg 360
 cattttgtca agtcatcaat gtttatgggt taagctttga ccttgccac agaggggtat 420
 aaatacacga gagcttgtcc caatcagctt acgaattgat ttgtctaatt aactgcaggc 480

| | |
|--|------|
| gcgcaataat gccagattgc acatggagat tgtgtttttg gttatactag aaaacccaaa | 540 |
| aaaaaatata tatatatgcc ccttgggcgt gtcgttttgtt ctccatttag actgtgatta | 600 |
| gatacccagg gggcagcaga tcggactcct tcttatcagc aggccgcggg gccagaaaga | 660 |
| tgtggaaagg tggccaggta tttggaaaca gcaaaaaata actgagagac gcacacgagc | 720 |
| tcttccccac acacgcacac actcattcct tatcgcgcga taagataagt ccagtgaat | 780 |
| atggaaaatg actgcacagt ttttagtatt tctcctcatt ttgaacagcg aaactgaatg | 840 |
| ctagtcgtaa atttgtgctt tataatcgaa gctgcgagtg actcaagacg tgtcttgtga | 900 |
| taagggcgat cctccctaata caagaccgtc tacttgaagt gggtcaggcc aaaagcagta | 960 |
| gcaccagttg ggaaactagt tcgattttga tcaattggga ggatagcgta aaa | 1013 |

<210> 781

<211> 1063

<212> DNA

<213> *Drosophila melanogaster*

<400> 781

| | |
|--|------|
| cactgggtggg tgggtgggtgc gcgcgcgaga gagagagaga gagaaagggtg agagtggcgc | 60 |
| tttgctccga ttggtcgaga aaaagcgaga aaaacgtcat gccgttctct tcgccgcaaa | 120 |
| atcatcggtat catctcggcg gtcgccgttc gcctgtcgcc gttcgcagtt cgcagctcgc | 180 |
| ctttcgcgga atcggattca caatcacatc cttctgcgag ttcgaggagt gcacaccggt | 240 |
| ggtcgcatcc gcaaagtccg cgcttcgaaa ccgctatcgt aatcgcaatc gctattgcca | 300 |
| gcgcaaccag aaatagaacc atggatatct ccgcctacca gcacatgaac atcccggatg | 360 |
| agcacgcgcg gcaaagcgtc ctctgaggaa cctcacgccc aacgaccaag ggttgctgctc | 420 |
| catccagcgc atccacaatg ggtgaaacca agccagtgtg tcgcgggaca tcggagtgcc | 480 |
| ggagtccacg ctgctgtggt ggtgcaagaa cgagcagaag ctgcgcttca tgtgccgcca | 540 |
| gctgggcccc gatcacctgg gtctcgacac gccaccggaa aagcgcgcca agttcgagct | 600 |
| gcagctccag ctgccaccga agttcgtggc actgcctcca aactacgagg agctgggctt | 660 |
| cgggtgcactg ccctacagtc cagccgatta cccagtgcaa aatgaatccc tgctggagaa | 720 |
| gcttagcctt gtggaatttg taaaaaagaa cgggtggattg catccggagg gtgcactgca | 780 |
| tccgggtcag gcccgctga tggactactc caacaacatg ctgcaccagc tgaatcttct | 840 |
| ggccctgctc aactccaaac tcaccccaca gactgccoga tgtcctggta gatgcacagc | 900 |
| cgaaatcaga ggacaacaaa gtgattgatt cgcccgtgc ttccgaggat tacagcaaaa | 960 |
| acaattaccc cttgcttgaa tggtaaaaac tgggcccgaag gatccggcca agcgggtgaac | 1020 |
| ttcggcaatc agccggagca agtgaacgat aagacaacat gcc | 1063 |

<210> 782
 <211> 118
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 782
 aattgacgct gccgctgcgg atcaacatgt gtgtgctgta agagagcggg agagcgaaat 60
 cagttctctc gttctccgcg tcgcacacat tcatgcaatg ggcacatgca gcgaattc 118

<210> 783
 <211> 176
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 783
 cttttgtcat ttcaaattgg ctgtttaatt gcctaattgt gctttgtttg ctcattaaac 60
 tgtaagtggg ccatatattt tctcatgaaa aacaaaaaat ccataaaagc ggataaaaaat 120
 gttcgccgcg cacattactt ttgttggttt ttgggtgggtg tggtcgtgtg gaattc 176

<210> 784
 <211> 537
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 784
 ttaattttgg acttaaactt accaatatta catttccttt tcagactgag aaataactta 60
 attcgattaa atgcgacttt attaatggaa actataattt atcagagggc gcacattttt 120
 atcgcaactta ccaccaatg aatcaaaaac tcggggctgt ctctttctac cgaaaacttt 180
 tggccaagaa agcgctggca attctgcaat tcaattggtc ggccgtccgt ctttctttct 240
 tctcgggctc tctgcagtct tcaccttgcc actttgcccg gttggaaaag taaacacaat 300
 ctgattgtat ggcttagata atagccccct tgtgcgccag tgtgtgtgtg tgtgtgtgtg 360
 tctgtgagtg tgttggccag ttggaggagg atggggctaa aaaaaaacga gtgagaaacc 420
 accgacgcgc tgcattgcaac atgttcgccg tcgaacgtca aacgacgagc atcgaacgtc 480
 gaacttcgaa catcgaacgt ggagccgacg aagagtgcgt cggattttac ttaccgc 537

<210> 785
 <211> 720
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 785
 gctgagcttg tgcaacagca gtagaaatag gagagagcaa ttagagaga gaccgaaaac 60
 aaacacacgc acaagagctc acctccacca caggtgtgta ggtgccactt cgcttttctc 120
 tctcgcgcac tctcttttgc tatgtatgta attgtgtgtt taggtatatt gccctccctt 180

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| tcacatcccc | acatcgctg | ccgtgtgttt | atttcagtgt | caccggggag | acagattagc | 240 |
| tcttgtccgc | ctgttgtcgt | aaatatcacg | cacacacgct | tcccgtccgc | ccatctgtac | 300 |
| atacatatgt | acatacgtag | aaatggaagt | tgctagctgt | gtgtttaatt | cattttcgag | 360 |
| gttttaaatgc | gcaacaactg | cgacttggtg | tgtgttggtt | agacgacaaa | aaacaaacaa | 420 |
| aagtaacggt | gagaatttag | aaagcccaat | gcaaacgaac | gcacacacaa | gcacttactc | 480 |
| ctgtcggtgt | gagctgcatt | gtacttccga | agccccaaga | ccaatttaat | aattttcccc | 540 |
| aaactcacag | tgtaagaaca | ataaacacgc | caagcgact | tgaaaaagaa | ataagaaaaa | 600 |
| agaaaaagtt | gcgactttcg | agcacaagta | cttggcacca | cacactcagg | gaagagtgcc | 660 |
| acgacaaaaa | aatttagaga | aaaaacccga | aaaccgaatc | acacaaacgg | aggactatgg | 720 |

<210> 786
 <211> 599
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-----|
| <400> 786 | | | | | | |
| ggcagaccgg | taagtaagcc | aaatactccg | gaataaagtt | atagcctccg | atctctaact | 60 |
| tccagcctga | gactgcacga | tgggtgcctg | agggacgttg | agcagcaaca | acggcgcaaa | 120 |
| cacgagaata | cctacacgct | gcagcagcaa | atagacatga | ccaagcaact | gaaagccagg | 180 |
| gaggcgtcta | gcaactcctc | tgacacgccc | gtacctccat | cgacgcacgc | cgcacagagt | 240 |
| aatcttcaag | cggagaagcc | agcagtgcaa | aatgaaggcg | aggctttcag | aggtgttcct | 300 |
| caggggtgaa | cgactaatca | cgatggaagc | ccgccaaactg | acatagcttg | atcacaaata | 360 |
| tgcccctaaa | tatgcaccta | ttaaaatcta | agactaagtc | ggggaaaaca | agaatttcgt | 420 |
| tgttcaaagt | tacgcatttt | tgaagatttt | aagatttcgt | cttaagaaca | gttgacagca | 480 |
| tctttacgct | ggttggatcg | ttttcaagtt | ggtgaagcct | tttgcgcatg | ggaatataat | 540 |
| taaacaacgt | ggtaagaatc | aatcttacca | agcgaaataa | gactgcaggc | taacaaggg | 599 |

<210> 787
 <211> 581
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 787 | | | | | | |
| ggcgaaggta | aacgcgaagg | cttccgaggg | acgtaaaaaa | aaagttcaaa | cccgactagg | 60 |
| acaacaacgc | gaacaggaca | ctcacacgca | ggcaatcagc | cgcacacgca | cacagtcacg | 120 |
| agtcggaaaa | gcttgtaagg | accacaattc | gccgcactcc | gaatgtgtgt | taaagcttcg | 180 |
| tgaaatcctg | gggaaataat | atcccgcaaa | tatccttgca | gcgcaatgtg | aaaggggaatg | 240 |

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-----|
| ggcattcata | aatttataaa | tttaaaaaaa | aatcataata | aaattagaaa | aaatatTTTT | 300 |
| atttataccc | aactgcccta | aaagtataat | ttttgtatat | ctttaatTTT | aaatatTTTat | 360 |
| atttggctta | gataatattt | tcaaaaaaatt | aagagactta | ttaccaattt | tcatactatt | 420 |
| tggtcttgca | tattctttcc | ctgctttaag | tagaaagcag | tctgcactgc | tttttagttt | 480 |
| aagtagaatg | atatattttt | tcatagacca | taagcaaaaa | atcttttagc | tgctaaatga | 540 |
| atctacgtgt | ggtaatgctc | ctcttctcag | ttcaaaccaa | a | | 581 |

<210> 788
 <211> 628
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|------------|-----|
| <400> 788 | | | | | | |
| caccaacgat | tggttagttg | ggagggggcg | gtggatgtct | aacattgcaa | cgtgaccatc | 60 |
| gcgcattgcc | tttgcaattg | taacatgttg | ttggagtcgc | gtttttttcg | ttagcccggt | 120 |
| ttttgttggc | tttgttgtcg | ctgtaaaactt | gttcgcgttg | catgccaatg | aggcgcattc | 180 |
| gacgtcaggc | ggatttggtg | acacagaaac | tggattagag | gcaacaacca | atcaaccaaa | 240 |
| tgagtgaaaa | aaaaaacaac | ttggaacca | aaactagaca | ctaagccatg | aaaattgtgg | 300 |
| gaaactaagt | atttacttta | tgattcaata | attatacctc | ttaaataaac | tggttttggc | 360 |
| aacgtaaaaa | aatttggttt | cacacaaatt | gtaatttgtg | tacgg tactt | ttgaagcaaa | 420 |
| gcaaaaattg | ttcttttaggt | atatcttttt | tctatttact | aataaaaataa | ataaataact | 480 |
| ttaaaaaaaaa | atttgtgtgc | taaaacccaa | atatttactt | attattatgg | gtatgtaaat | 540 |
| ttggtcagca | cctgccact | gtgcgcacgt | catcggttgc | atgccttgtg | gttggtggtg | 600 |
| cttctgcttt | gggggtttct | tggttttt | | | | 628 |

<210> 789
 <211> 536
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 789 | | | | | | |
| ccccacagat | acggtgagag | aacgacaaga | gagagagagg | gagcgagagc | agctgtgcga | 60 |
| tgccggcaga | ccaatgttgt | tgttatttgt | gttggttggc | ttggccatct | tttagtttgt | 120 |
| attattgctt | tttagtagtg | acctccgaca | acaaaccgaa | atcgaaacaa | gttttaagca | 180 |
| acaacaacaa | cagaaaaaaa | aagaactgca | ttaaagcaga | gatttatggg | tctttaatca | 240 |
| aagtctgaag | aatgcaaagg | cattcctttg | ccatgagtat | tgcatttgta | aaaaaggaaa | 300 |
| ctgaaaaaat | ttgggattta | tgtttttctt | tttttgtcta | acaaattttg | tgctattata | 360 |
| atggaaatgt | taatgatatt | tgtggctctt | ggggaaaatg | ttttatatca | attcatttca | 420 |

cctgggtatc tacttgccgt agaaatcaaa tgcaataaaa aattacagtc aagatttagc 480

caattggtgc gtattttgag ccatttgcgc ttttagacac cggcttggtt gaattc 536

<210> 790
 <211> 86
 <212> DNA
 <213> Drosophila melanogaster

<400> 790
 ctatagtcgc tctagctccg ttctccgaag agagagagtg aacgaagaga gcgcaggaag 60

agagttccag gaaatcgcaa gaattc 86

<210> 791
 <211> 573
 <212> DNA
 <213> Drosophila melanogaster

<400> 791
 ggcgcaactt gttttcgatg ttgttggtgt cgttgctgct ggcttacgtt ttttttatg 60

cgccgctcgg gttggtaatg atcttcgtgc atgtgggttg gcgtcgttgt tgtttttggt 120

gctggtgatg tcggtggatg tagagaagga tgaggaggtg actgcgactg ttgcgttcat 180

tagcggggca gaggcttttt tgggtttggt gtatggtata tggccagaag gagggcgctgc 240

gatacatggt ccaggtagac acatgacgaa gccacagtcg aactcccata acccgtcatt 300

ttactaattg aatacatttg tagtgaaaac gaacccttcg attcggtttt aaaatcattt 360

tttagagatt taattttgat ttttcagtta aactttgcac ataactgata agtgtacggt 420

tcatactttc ggagtttcac tgtatttata aacaaattca cccacatggc agcctcgatt 480

gggtggcgcc atatcccgcc gatttcggcg tgggctgatt ttagccgcat tcgatttcca 540

tttcgggttc aagacttgcc cttcaacttt ggt 573

<210> 792
 <211> 648
 <212> DNA
 <213> Drosophila melanogaster

<400> 792
 ctcttacctt atgtaacgtt tcgccaacgt gtgcgagcga gagggcgcggt gtgtaatttg 60

ttgtggagca gctgcgacgg cggggccaaa gctgttgtct cgctcccccg ttcggagtga 120

ggccttgatt ccggactccg agctccggat caaatatttc aacagttttg gatccgtagg 180

gagggagggg gatatttagc ctctagaaa agttttgcc a ttcaaattag tatcataaca 240

aatacttggc ttagaatggc accatttgcc caacaatccc ctaaaaagta atcgtttgtg 300

ggacaaacta tgctacagat cccgttttct tgacagtaaa tggcatattc ctcaaaaatt 360

| | |
|---|-----|
| aaaaaaaatg ataaaaaaaa aaatgataac aaaacagagt catatacttc agtattttga | 420 |
| aattctcaac aatctatata tgccatttaa aaagcctgat aagttttcaa gttattcgaa | 480 |
| ctcagtagga ttaccaaatt ttcactgata ttcaatggtg gaatggaagt actaggataa | 540 |
| cccacggaat ttatagtaag aaaaggtcta ggaatttggt ggattcatgg agaaattatc | 600 |
| ggatagaaaa tccttactac ttaacgatag cccaattgag atatatgct | 648 |

<210> 793
 <211> 463
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 793 | |
| gtctgaggta ttaaatagtg aaaaaaatg tctgccgcgc cgaaaattga caaagcgacg | 60 |
| ccgccatgtc gcaacctata gccatctccc tctcgcagcg tgctcccagc accaccagtg | 120 |
| ttcatctatg tgtgtagtgc atatttcgag cgttaaaatc tgttgaaaat ttaaaaccat | 180 |
| tcaaacagtg gaaaatattg tgcacacatt atagggtttt cacatttccc ttgcggaaat | 240 |
| cggaaaagca agcgtatgtg tgccgaatgg aaaaaaccaa gacgcagggg tgcatTTTTc | 300 |
| ttgatttcga ggggtgcatt ctgtgtgata agcgtTTTTt tattctgtct ttaaaatgat | 360 |
| tgtagacttt tgtcccgctc tgtttcgata atggatatta cgcagcggca aaattattat | 420 |
| ttaatgtctg ttattgagtc aatgaacttt ctgcgggttg gcc | 463 |

<210> 794
 <211> 519
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 794 | |
| ggttcgagtt tgaaatgagg tctcaggagc ttcgtgttgc atcgaacctg ctcgatggca | 60 |
| tctattggtg agaggggctg tctgtgttcg caataaccgg aaacggaaat catatttggt | 120 |
| caagttctaa tgccatcaac gattgcaatt aaatggccaa atgtcaattg tttcaagctg | 180 |
| actaagtgcg agaaggacaa aaaagtgttg tgcgaaaaga gacaggcgcc aaaagcctga | 240 |
| acctgccatt aaccgttaat gcacggatcg taaatcgaat tgaaaggaag ggtgtgtcat | 300 |
| gccggactta taaataaaat taacaaccag ccgggggaaag aggttaaggc ggaaatattt | 360 |
| gcgccactgc gactttcttg ctcgctgtat tgggtcccggt gttttttgtt gcttgtaatt | 420 |
| aatgggcaaa caattacaaa aaaaaataa agggagtcgg ggcaagaaga atgaggcccc | 480 |
| cagtggaatt taccagtatt aaagggcgag aagcaagtt | 519 |

<210> 795
 <211> 704
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 795
 atacacccta tttacgttta ctaagagagc gaccaacgcg agacgagtcc caaaatgagc 60
 gctcttttttg ccgaactggt gaatgccggc tgcaaaagca acaatacaac tgcacacatc 120
 accacccccca ttgcgcttat gtttttagcaa cccctaaaac aatatggcgg cgagtaaccc 180
 acaacaaaat aaataaaaag aggaaacttc cccccagaaa gagcaacaat tttccacgcc 240
 aaaatacact ttttttgccg gcgctacagg ttgcgtgaga gaacgaaaga gagcgtggag 300
 agagcagcgg agagcgagtg tcaagagaaa agcgcaacaa aagcaggaag cgataaacga 360
 taaatacaca cagcaaaaac gtagcagact ttgcgaaaag aaatttcatt ccgtgtagat 420
 aaaagataca ttaaaatagg agagtatatc ttaatgcaaa ttttttccca tactctaate 480
 aaaaatcaaa atattctcta tgccaaataa tatcgacttt tatttatatt acaaaacagg 540
 ttcttttcag tgtactctgt gcgcatgttt ttttccaatt tgggcaacga ccgcatccaa 600
 agcattacca ccaaacgttc tcttgggcac cagccttttt cctctgcttt gctattcttt 660
 tacttagcat ttctctggtc tatgttgccg caaactttca gagg 704

<210> 796
 <211> 307
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 796
 agttgggtca gcaagaagtt ttttgcatth ttaggggttg taagtgggaa atgaaatgga 60
 gaaggtgttg tgtgtgctcg tatgcagcta aaaaatggcg gcaaacacac acaccaaac 120
 cgaccacac agacaacaaa ggctaaaaga gcagctgttc cgacggcttt ctctagaccc 180
 ggtgaatcaa cagcctccca catccgaacc atccacatgc ccgccccacc atccaattcc 240
 acttccactt ttaacagaag cacacgcacc accggcacgt ggtgcgccat atgcaaatta 300
 agaattc 307

<210> 797
 <211> 412
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 797
 gtcgaaagtt aactgcggtt ttcgataacg atacgtgttt gctatcgcca ttgatggtcc 60
 cgttcatggt atcgagccat atttgtccat tttatagcca aacgtttgat tcatttttat 120
 ataatgacat agttttataat catatataat ttcaatgtag tttttaatag gtttgctatt 180

tctgtaatat atattcggcg aacttagata taacaataga acagttttta agttttaaga 240
 tcataaatct ttaaaacacg cgagattaag acaacgcgat atacgtttac gtaaaggatt 300
 tttttatgga ggtggagaac tttaagttgg cattactggt caaaatcgcg accgacttaa 360
 catttgccga gttattgccc atatatgacc acaaagtgtg gaaaaagtca tc 412

<210> 798
 <211> 478
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 798
 acagaagccg tcaactcagg cgaagtgtc gtagcggaaac ggaatggaaa cggaacatgc 60
 acacgaatgc cagccgaagc aggagtacga agcatgccat cctgtcgtgt gtcagcgaaa 120
 gagaggcaga gagaaccaca actcgtcttc aatgggaatg ggtctctccc tctctccctc 180
 tctctctctc tctccgcaca acgcctcctg tggtgtcttc ctcttccatt tctacgagc 240
 gacaggatgt gcagctgccg actgcgactg catttggtt cgcgcccccg actccctgtt 300
 actggggatt ttgggatgca ttcccgtaca aagcatacgc atctgggcaa ttcgattccc 360
 ggattgagca acaatccacg cggataacag gactacagga taataggaag tggttgaaaa 420
 atatacactt tatgatttat gatccttaag cggaattta ccacattaaa catatttt 478

<210> 799
 <211> 489
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(489)
 <223> n = ambiguous/unknown nucleotide

<400> 799
 atcgtgacgg tttgctcgcg ctctccgctg cgccgccttt tccgttgc atgtgtgcgg 60
 gcgttattgt gcatgtttcc ggtggccgaa aaaaaatagn nntatagaaa acagaaacca 120
 agaataataa cagccatacg ataaacagtg tgccaatgtg tgtgtctgtg tgtgtgtgca 180
 tctcgcgtaa caacataatt gcatttatcg gatggcgcaa gcttcaattt aattataaat 240
 aacatgttca actttttata ctattttccc tgcgtcaaag tgggcgttgc aactgcccc 300
 ggaaaatcac gcgccccggt tcaaagttaa agtttgctgg gtaacgcaca cacacacaca 360
 cacaatcact cacacgcggc acacgcacat ttcaataaac taatggagcc tggctttggt 420
 tttggtntaa ttccaacca cttgagcaca cagcacacac agagaggaaa aatcaatact 480

<210> 800
 <211> 558
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 800
 gcaagcacga tgaagaagga aagcgagagc gaccgaaccg cacaccacga gaaattccaa 60
 cagactgaga tggaaacaac aaacgatgac gccggcaatg ccgacgcaca aagcagcgca 120
 cagtggggcg atgtgcggtg gattcgttat ccatcttaaa tagtaatacg ataggcatga 180
 acaatatttt caacaactct ttgcgaaaca ctgtaagcag aatgacatgc atttttgcag 240
 aattgtaatt ataattaatt ccggcactaa aattaaatga tttttgttta gtttttaaac 300
 acgatttact tgattcgtaa atattatcaa gtattaatta attacttaag cgaatagtta 360
 aaactggtaa attagcccca aacaatattt taatggtttc aagcccacta tggccaagtg 420
 gcccacctta caaacgaaat ggatccgcat aaaagaagaa attgcaacaa acaggcggca 480
 aggcagccac cgctcatttc aagtcgcttt ggtgggtgctt ctgctggctc tctccgtttt 540
 tagtaattgg ggtgtggc 558

<210> 801
 <211> 623
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 801
 ggccagttac tcggccagct gttatactga aaactgcgcg ccttcggtat ttttaaggtag 60
 ttatcgtatt ttcacatata atttaaaagg ccacattttg tggaacaacg cttccggttg 120
 tgttctctgc ttttagtact gccagctcct agcgaatacc tccaccatgc aagcagttca 180
 agccgcagtg ctgttttagta tactttctga gcgccagatg tcgcaaaaaga gaagtcgggtt 240
 tttgtattaa ttagattttc aaagaaattt atttaaaacta aaatggtttc tatttttagtc 300
 acataggggt tcaacttaaa ttatttgaaa gcaattatta tgaaaaatat ataaattaat 360
 atgtgatacg aagggttttta gtgcgagata agctaaaaaa aatgatgttt tatattccat 420
 tacatattag aaactacaag ttttcagact taagacgtca agcattttcc ccttgagcat 480
 taaaatctgg ccaaaactta cgcaaaagaaa aattccgctc gccggcaata ataaattaga 540
 ttaaaatgca caaagaaaag gaggaaaaca gaatttcagg ccacaggatt tcagataaaa 600
 gtgccgtaag cggcaatgta gta 623

<210> 802
 <211> 544

<212> DNA
<213> *Drosophila melanogaster*

<400> 802
ctcttgtgtg accgacacaa tgtggtcgca gcagtgtcct atgaaaatac acacacccta 60
agttaatacc aaaaatatac taaacattta ttttgtccag caccctaaacc attaacatca 120
gtttttcaac agaactatgt taagcgcagg tgttaactta tattttatfff ataagtggac 180
tttgttgtcc tgaaacttaa tcatcaccag aatcattatc atgctctcta gctttatttc 240
tcgttttaact tatgaaaacc acaaatatca aagaccaaca taacatagct ttacaccgga 300
aaagtatatgt agatagtata gccaggagt cagctctagc tgtgttggtt atcgttatcg 360
cggctagcag cttgttttgt tttgcttaca cgacaaataa ataaatataa aagaagtatg 420
agtaatttaa aatcggacct ggatgaatac ttgctactgc agagtgatca gaagaaccaa 480
tttcaacgtc aagttgccac agctggaagt tccattttct cagcttcgac ccagaacaaa 540
tagt 544

<210> 803
<211> 201
<212> DNA
<213> *Drosophila melanogaster*

<400> 803
gaatcaacta aaaacattta ttaccacct gctcatttat atgctgcagc cctatcagct 60
gttcgctgcg gcgcccacta tcagcgcata cggccacact gcgggggscgg cagggatgcc 120
aaaaattgat gtggataaca tagaaatatt taaaattgtg aaattattcg attttgataa 180
gtatacttct taacggaatt c 201

<210> 804
<211> 524
<212> DNA
<213> *Drosophila melanogaster*

<400> 804
gtctggactg aaacgggccg ggaaacgagc cgaaagtagg tctgagtggg aaattaatcg 60
aggcacattg agtgaagttc acaaagcttc gccagctttc aggagctttc ccaacaattt 120
ccccctatff tcccaaggcc aaaataaatt aaatttttaa atgttaaata cctgtttgtg 180
ttgtgaatgt gttgctgttt ttggtaaagt attaaatgcc aatagttacc tgaaagtaca 240
ataaattaaa ttcaaatcag tggaggtcaa cagtataacg aaacacactc aaagaaatca 300
caaataacga ttaactcact aataaaggga ctttatggat agacatataa actttttcaa 360
gctttgttag ttatggtaag ttatggaaag gagcaaaagc ttttataaaa gcttttcgat 420
tagaaaaagt gttgccagct taaagtattt ataagaaatt tgaaaaagga tttggtagaa 480

atcttttagag tgaaacatgc caattacggc taatacatgg tagt

524

<210> 805

<211> 621

<212> DNA

<213> *Drosophila melanogaster*

<400> 805

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-----|
| cacagcagac | tgcgtcacgg | atcggatctg | tgtggatctt | cagttcgggt | tagtttccaa | 60 |
| taccaaacc | aattccagcg | gcattgaaag | tgcggtgtgt | ttgttggtgc | cccatgggct | 120 |
| ttttgtttaa | ggtcttggca | aatgaaagtt | ttctcttcat | cgatgctgca | ggacattatg | 180 |
| tttgattaac | gaaacgcagg | tcgagttttg | gactgttgta | aataaatttt | acaaccttta | 240 |
| atgctgccac | ccagacaacg | taaaaacgag | aagcaattga | aatgtctgaa | ttatgtttgc | 300 |
| tgaattattg | aattatatag | gtggtcggat | actacatgct | acatgcatgt | aactgaatgc | 360 |
| aagtacttaa | ttacgtcagg | agaaatttat | tttcatttcg | aaaaacgcaa | taaatgtaa | 420 |
| gcagaaactt | caaggggatt | taaggagcat | tgcataaaca | acaaaaaatc | ccttttagatt | 480 |
| tcataaaatt | tacaatatct | ggtatgattt | cgaagactga | aatattgatt | aaaagaattt | 540 |
| gtacgatttt | tcaatcgaac | aatgggtcaag | cccgatgccc | aactcatttt | ggcccgcag | 600 |
| tacccaccca | ttataacaca | t | | | | 621 |

<210> 806

<211> 569

<212> DNA

<213> *Drosophila melanogaster*

<400> 806

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| ctcaatgcga | attgttttca | agcgccggag | agaatctata | tagaggggct | tctccgactc | 60 |
| gcttcgaata | cgtttttcgc | agcgcgcgcg | ttcgcatcgg | aaaatcagaa | aagctggcaa | 120 |
| gcgttttaaaa | acaaattcgg | caggtacaat | tgttacatgt | tttcccctca | gttgactatt | 180 |
| tcgtcgcagg | tttttgcca | gcggaaacca | tcgtaataac | cgttattttg | ttatatcgc | 240 |
| gtaaatcggt | gtttgttcaa | ccacagaata | cttggttgta | cgcatttcga | aaatggaaat | 300 |
| gcaaaaattt | ccaagcagtg | aaaatcaaaa | cgaataaaat | atattggctt | ctttcgtgtt | 360 |
| tagccgcgta | cgtgtgtgtt | tctgtgttag | tgagtgcagc | aagaaataaa | acaaaaagc | 420 |
| aacaaataaa | taaatagaaa | acaaaagcaa | aatcaaattc | aaattcaaag | gcaaatactt | 480 |
| gcaaagtaag | ttgataatat | caggagtggg | gggtgctagc | atatgttgca | ttattttgcc | 540 |
| cagcatttac | atggttttca | caatttctt | | | | 569 |

<210> 807
 <211> 462
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(462)
 <223> n = ambiguous/unknown nucleotide

<400> 807
 cggcagcacc aatgttggtg ttattgttgt tgtttggcctt ggccatcttt tagttgttat 60
 tattgctttt tagtagtgac ctccgacaac aaaccgaaat cgaacnnnca acaacaacag 120
 aaaaaaaaaag aactgcatta aagcagagat ttatgggtttt ttaatcaaag tctgaagaat 180
 gcaaaggcat tcctttgccca tgagtattgc atttgtaaaa aagtaaactg aaaaaatttg 240
 ggatttatgt ttttcttttt ttgtctaaca aattttgtgc tattataatg gaaatgttaa 300
 tgatatttgt gggtcttggg gaaaatgttt tatattaatt catttcacct gggtatctac 360
 ttgcgtagaa atcaaattgca ataaaaaatt acagtcaaga ttaccaatt gttgcgtatt 420
 ttgagccatt tgtgctttta gacaaccggc ttggttgaat tc 462

<210> 808
 <211> 233
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 808
 ctctgagctt tactacgatt actatacagc tcttctctcg cgactttttg gactggacaa 60
 ggcgtagcac attgaacggc agtgggtttg ggtttagtat cgaaccggct ttctacgaca 120
 gcggattgga agcgcggagc gacaaagtcg cggggaata atgtgatata gccggctatg 180
 ttcagcaggc aaaactgaaa taaaagtaat aaacaccgaa agcccccgaa ttc 233

<210> 809
 <211> 525
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(525)
 <223> n = ambiguous/unknown nucleotide

<400> 809
 ccccagccgc gtgcacagcg cacaccaacc gacacactca cagacacacc ccaaagccgt 60
 gtctgagtag ctgacgtagt tgttgaccg gaagtctgtg aacnnngaaa tactttaaaa 120
 ctggctcgaa acctggcaga cgccctcaa gctgaaatct aagacctggc cgcatatatt 180

| | |
|---|-----|
| tgcattaact ttggaagtct gactttaagc agacacggat ttcattaata aacgaaaggc | 240 |
| atagtgcgaa agcaggagag tatgggagct caacagttga cggggagcat tgccaggccc | 300 |
| aagaaactgg gagataacaa agatgagtca cgaaaagcag gcatttcaaa atcctcttaa | 360 |
| tcaccaccag tgaatgcatg taactcaatt aaagtcgtca attgattaca tttattttgg | 420 |
| gttgaaaacc cttctaggac acgggtaaat tctacctggc aatgcttcgc gtttcgcctg | 480 |
| taacaggttt caaagcaaaa aggggcttcg acacagagca cacac | 525 |

<210> 810
 <211> 531
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(531)
 <223> n = ambiguous/unknown nucleotide

| | |
|--|-----|
| <400> 810 | |
| gtcggggatc atcatgtctc gatttttcgc ttcagttgtg gagcgagagc ttacgcaatg | 60 |
| gagcggagtg atgagcacat tatccgaggc aattttttan nngccgaaat gccgccgggc | 120 |
| cgtagaagt gaatatgaaa ccatctactt taaatatgat tgtaatgtaa aaacttgcac | 180 |
| caacactaaa aggatctatg gactccccga gcgtatggcc aaaatgaagg actccgatct | 240 |
| ggagaagttc gacgacaagt tcttttagcgt ccaccagaag caggcggagc tgatggaccc | 300 |
| ctgcatgcgg atgctgctgg agctgaccca cgaggcgatc atcgatgcgg gcatcaatcc | 360 |
| cgtacagctg cgcggcagtc ggacggggccg tctacatagg cctgtccttt gtggagacgg | 420 |
| acaccgagat ccccaacatg gagccgaacc agtatcaacg gctactggct gacgggctgt | 480 |
| gcgcgtgcc a tggtcgccaa tcgcatctct acacgttcga ctttcagggg c | 531 |

<210> 811
 <211> 443
 <212> DNA
 <213> *Drosophila melanogaster*

<220>
 <221> misc_feature
 <222> (1)..(443)
 <223> n = ambiguous/unknown nucleotide

| | |
|---|-----|
| <400> 811 | |
| ggctcgcccc aagagagccg agtgaaaccg agcgcgcacc cgaatgccga aaatcaagta | 60 |
| tacgtcgcta cgatcgttgc tcaccgcctt tcagtgtctc nnncaataac aaaaataata | 120 |

gcactgctaa acggaaaaca gaaacgttcc ttttctaacg gtctcactga gttttgtaaa 180
 ttggtcattg gctgtgcgaa aaggagagac agagagagaa ccagagaact gtcgcagcga 240
 ttgcgattac gggtacgcgg cgcagtgaaa aagtgaaaaa gtttaggcgg aaaacacttg 300
 cctctggtcg atttgctgtt ttggacgcgc gactccctca gaacttgaaa aataaaggaa 360
 aaatcggcaa ttaagcaaaa aagtgatcac acatcaagaa gccaaacttg attacgattt 420
 gcggtcgcga aggacttata aac 443

<210> 812
 <211> 498
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 812
 gtccagcctt tcgaaggag tgctggtggtg ggtgtgtgtc ttttttatta aatgtttgcc 60
 gtggtgggcg tggccatcac tcgagccgct agctggcaca tcctttttat taaaattcgc 120
 agtctataaa ttgctaagga gcccatgtgg gatgggcggg cgtgggattc caatggccat 180
 gggactgcga tgagcggagg aaatggggta tgactggcgt acatgtttca aaagacgtgt 240
 gtgtacccaa gacttttatg agacagcaac aggaaatgca tggaaatggc ctgggctggg 300
 ccgccccccg agaaagggga acgtgtgttt ctccaaatgg agcaggtcaa aaaacgaatg 360
 tgggaagtcc gaagaatgat tcagaaactg aaaatatacg aataattatt acaaaatctg 420
 ccttgcatat aattacttat aactttgcac tagttgcatt aaaaaatgaa agatagtcga 480
 ccgaagtttt taagcctc 498

<210> 813
 <211> 320
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 813
 ttgtaaatga agcgaagaat caaagaagaa gcagaaacca gcataaaaaa tgtttgtgcg 60
 ctggcggtct gtaaaagtat gtgtgagtgc gtgctgtgtg gtgtaggcag cagacaactt 120
 tgaagaagaa gagacagaat acaaaaacgt acggagtctg aaaactccgc cagagaagtt 180
 tgtctacact gtgcaacaaa ttaggtggga atgggatgtt atcttatcag gttgggtgta 240
 ttggttataa ttggcgccca aattgggtta ccaaaaaatg tgtttaaaca tcagggtaca 300
 tctgaaaatt ataataaatt 320

<210> 814
 <211> 429
 <212> DNA



<213> *Drosophila melanogaster*

<220>

<221> misc_feature

<222> (1)..(429)

<223> n = ambiguous/unknown nucleotide

<400> 814

```
ctccagactg tctgtttggc agtgcgagtg tattggtgta cctcctctgg tgtgtgagtg      60
tgtgtgtgtg tggaccctga gtttggcaat gcagttgccg aggnnntgcc ttgtttgttg      120
tgcggcgctc cttgcatttt ttcgcgctgc tgctcctgta ctcttgctgc cccctttgt      180
tatttgtgct gtgccccaaa gacatttcag cgagcctcga ggaatccaaa gcatttggat      240
acgaaaactt tgggtacagt aaaggctgct gggttcccgc caaacagtgg aatgttatgc      300
cttagccgga tcattcgca tccgtgctga aatctgcggc tcattatcta agtatggcca      360
ggtggaatta acactttcac cgcactgaca gaaaaacatt ggccttttta aggggaacca      420
aataataat                                     429
```

<210> 815

<211> 71

<212> DNA

<213> *Drosophila melanogaster*

<400> 815

```
ttccaacggc tcgagacagt ccgagcggca cttgcaacat gttgcaagtt cgtgtgtgac      60
ttcgggaatt c                                     71
```

<210> 816

<211> 75

<212> DNA

<213> *Drosophila melanogaster*

<400> 816

```
aaactataca cacacacaca tacgcacgca ccgccagtca gtcaggcagg cacacattgc      60
ccacccactt ttact                                     75
```

<210> 817

<211> 116

<212> DNA

<213> *Drosophila melanogaster*

<400> 817

```
atctggtctg aagtgcagcg cttgcgatca gttcgtgttt gacggtcgtt tgcgtaggaa      60
gcaagacacg cgacgggtct cgagtgctgt gctttgcctg tgcgatggct gaattc      116
```

<210> 818

<211> 512

<212> DNA

<213> *Drosophila melanogaster*

<400> 818

```
cacagtttct tatcggcgga ggtcgacgaa tcggatctcg tcttatcgcc gacccccgt      60
ttattgtttc gtttctgtat tagattcaaa atcagttcgg tgataggcgt tactcagtct      120
agccggcgcc gcgtttaaca ctatgccggt tcagggacag gacttgaaac atccatagga      180
tccatcgagc atatacgcaa ggttttctaa gtacgctttt ttaattaatt ttatgaaatg      240
tgtttcaatg cagtgagaga tgggtttttc aagacttcgg taagctaaaa aaggaaagtt      300
tggcattcta aaagagtggc ctagaattat attctaagtt attaataataa ggtaagtgag      360
ctcttttatt gtttttagaa tactggtgtg tgaaattaaa ccttggtttt aagaatttga      420
atgtgtataa tatatttaaa ataactagta gacataagta tttagttaac ggtaatgcct      480
atgaaatggg gctgctcact caacaaccac ag                                     512
```

<210> 819

<211> 54

<212> DNA

<213> *Drosophila melanogaster*

<400> 819

```
gtctgatgca gctgatctga tttattacca gtttactgga tcactcgtga attc      54
```

<210> 820

<211> 557

<212> DNA

<213> *Drosophila melanogaster*

<400> 820

```
cacgaaccca agaaacaggg cccgaatgga aaaagagaga atcgagagaa tcgcgggctg      60
agaaatgcgt agaaagagac aagcgacgag tagcgagcag tggcactaaa accagcttag      120
tgcactgtgg aaaaagtttt aacaattctt aaatatctga agagtaaggc tctaattttc      180
tgtaaataac aacagtataa agctatgtgt ttaaataatac tagataaata atggatgcat      240
ttacatattc atctgaattg gctagttact tatattcggg ttgaaaatag tacaaaattt      300
ctttcagtgg aggagaggaa ttaaaccgaa ctcaacccaa acccaaccgg ccgccagtgc      360
cacgctgcta aatggacgga tgggcccgtg gacggactta tatggagact ggactggcg      420
gaagcgtggg aacgtgcatt cgtacgacga gttattggca gttagagcgc tacctgttta      480
ccgacccgac taccgacta ccaccgactg cttttttttt ttggcccatc gaaaaggtag      540
ggtacaattg gcccggg                                     557
```

<210> 821

<211> 202

<212> DNA
 <213> Drosophila melanogaster

<400> 821
 tggcaggcct ttgcatttcc acttgtgcgt cacgtgctcc tggctgttgt tgttgcatg 60
 aacttgaact agtggcaaag ttgttgctgt cgttggtggt gctattgcac ttttgctgtt 120
 cttccgacat tggcgccat tttgccggct gtttttggct ggcattcggc gcgttttctc 180
 accgcgcacg cgctctgaat tc 202

<210> 822
 <211> 534
 <212> DNA
 <213> Drosophila melanogaster

<400> 822
 ctttgtgcgc tgaagcagca acaacagctg gctatctcgc tctagcaacc acgtcagacg 60
 gcaaacgtca attataagca aacaaagcga cgttgccctca tttcacgaaa gccgcagcga 120
 ggcagagcga gagcaagcga aatggcgctt cgcggcaacg ttgccaaact tcagcgtcga 180
 ctgcgtgttg ttctttagt ttccatgctt ctttagtgca tggaaattta acatgctgta 240
 ccaccaaccc tctttacggg ggatggggga ttataataac gcgctgctga cgtcgtgct 300
 cgcattttcc accttctcgc attcgtattg ttgcaaagga aatggggcct atacaagaag 360
 tttatctttg aatatacata catacatatg tatattttaag tacatgccgt attccgtgct 420
 taaattgagg cacaggagga gaacatatct tgggggtccat tgaaattcaa taaattaaat 480
 gctctagtga ataaataaaa gcgtatttta agtgggaaat aagcaatgcc atta 534

<210> 823
 <211> 438
 <212> DNA
 <213> Drosophila melanogaster

<400> 823
 cttgtccttc tcagaacaac agttataagc tcagtctcgc ccggcagcgc tgtcgacgtc 60
 gactgcagca gcagcgccgc tcatttgtgc gcttaatgac gtcattattt ttattttaac 120
 agtgccaagc aaattgcata tataaccgttg ctgctcctgc gcagtcggcg ctctgccggc 180
 gtcgctgcac cgccagtggg gcttgggcta ggggggtggc gagagagcga cagagagaga 240
 gccagagcga gagagaacga gaggcagtga gtgagagaga ccccggtcgc tttctcgctc 300
 gcacccgctg agctgggcct gcggcttcgg gttcctcgcc ttcgttctgg ttgcttcgtg 360
 tttgccgatg tgatgctgct gatgttgctg ctgctccttt tgctgtgcta cttatgctga 420
 tgattgcgat gctggggg 438

<210> 824
 <211> 524
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 824
 ggcacggcat cctttggcgc gagagaatgc gacatccgga gagccggaga gcacgaccat 60
 tgaggggtcct gttcgggaga gctgacgcct ctgtgtctaa ctaaacggaa gaggtcaag 120
 gcgtcgcatg atacttccac agtcatctca atttcaagac tagaagggtta aatagatctt 180
 tatttatatt atgattcaat taaattatta attttatatt tcaaataattt aaaaaaagc 240
 cttatgggtta tgtccttaaa atatattatt tttaatttaa gttataagat agaaaatctt 300
 atatggagtt cttaaattatt attcataaaa cgtaagtggg aacatgtgaa ttagttaaac 360
 aataagtggg actctctgtt aaataaatac attttgtcct gaattggatt acaaaatcac 420
 tcgttcttca aaacacctca aaatcaattg aggtctccat ccttttcggt atgccgcctg 480
 aatcgatttt cggaattcg cgccaaatac ccgcaccgac aatg 524

<210> 825
 <211> 492
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 825
 gtgcagttcg cgtaccagca cacacaacac acacacacat gcatgcgtac atacgcgcgc 60
 gctaagtgaat tacatacata cgtatgtatg gacgtacagc gtgctgcgag gtacagtcgc 120
 cgctaattggt gaaaactggc tgtgcgaaaa agcaggcaga gagcaagagg aagagagagc 180
 ggtcccgggg tgggggtggca acttcaactt tgccggctgc acttggcaac aagtctgcaa 240
 gcgactgcga ctccaattga ggggtcaaggc cagcgtcgc gcacagctg ctgcgcgtgt 300
 gtgacgacca cgacggcggc cgtgacgcga cgggtggcttc gcgaaagctg cgctccgagt 360
 ttctggagcc cgcgtgcgga tgggcaagaa cagagaaccg gttgcaagcc cggtttggtc 420
 actttttgcg cttctcatat ttaagtgcgg tgcgatcgcg ggtcgtccaa tatcgccgat 480
 ttagttaggc ta 492

<210> 826
 <211> 535
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 826
 gtccagtcta caaacagaaa gaatttcaac gcgacgcgtc gacaataaag taaacaaact 60
 gaaattgttt tccttcgtca tattttcctt tctcttgtct cgtctgcgac ttgttgaaac 120
 tatttcaagc gcagaaatca acttaagccc cagctaccca gctcatcaat aacaacatcg 180

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| caacatctct | ggcgctcaat | taacatgggt | ttgtgaaaat | ttattgaatc | ccttctttaa | 240 |
| tgaagtgcc | tgtcccgaag | gctgttgctt | cccttccagc | caaacgtgct | catcgattgg | 300 |
| aaacggtcta | tggccgttta | gtttgggtgc | tgataaacct | agattcagaa | tcttttagata | 360 |
| tatatcttta | gatttatact | ttcttgtgta | attgaatttt | ctaaattctt | attctactgc | 420 |
| ccaagtaatg | aaaattccca | acaaataacg | aaggcaagga | tatcatcgct | ttcttggttt | 480 |
| aatcaatcaa | acggcaaacg | gactggaaag | aagtgatatc | agaaatctgt | aagtt | 535 |

<210> 827
 <211> 47
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | |
|------------|------------|------------|--------------------|
| <400> | 827 | | |
| gcttagccat | attacttggt | tgtatttgca | aaagttgtaa tagattc |
| | | | 47 |

<210> 828
 <211> 551
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | |
|------------|------------|------------|-----------------------------------|
| <400> | 828 | | |
| atagccccgt | tcaattgctg | taaaaggata | gttctcacca tcgcattgctg agtttattca |
| | | | 60 |
| ccggtagatc | aaccgatctg | gagagactat | gaaaataata cttcaatgaa cttgagaaat |
| | | | 120 |
| cacgccacct | tatctcacta | aacaaatggg | acacgcgtcg agctcgtgtg tctgtgtgtg |
| | | | 180 |
| tgtgtgtgtg | tatgtacaca | cacatggcgg | tggggacttt tggggctgctg tcttgactat |
| | | | 240 |
| acgccgctct | ctttggcacc | cacctccgat | ttggatgccg actacaatag caaaacataa |
| | | | 300 |
| acatagaagt | ctggccaagc | caacggccat | ttgatagata agcttgctgc tgagtcgccc |
| | | | 360 |
| gatttttacc | ggcaatttgt | agtggctaca | cgcggaaaaa taggggtatt atatgaaaat |
| | | | 420 |
| ggttcctgta | aatatggttc | catatttata | tgatcaataa catttgaatt tcaaagaact |
| | | | 480 |
| ctacggctac | acgattcgaa | ttcgtttgct | tgagtggact ggttatttgc tctgtgtgtg |
| | | | 540 |
| accgtcatgt | c | | 551 |

<210> 829
 <211> 499
 <212> DNA
 <213> *Drosophila melanogaster*

| | | | |
|------------|------------|------------|----------------------------------|
| <400> | 829 | | |
| gtcgcgctat | tttgtttcga | gtgcgctgtg | ctgtttggtt tcgttccgtt tcgtttcgct |
| | | | 60 |
| gttcgttttc | cattcgtctt | cgaatccgca | ctgcaaacaa acaagaagag ggggaagcag |
| | | | 120 |
| caaaagtggc | gagtgcatte | gcagcgtcga | aatttcaatt gaaatctgaa atctgtgtgg |
| | | | 180 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-----|
| caattgcagc | ggcactcggg | gtaaatagat | tgaattgaag | cgaaattctg | cgagtcgaag | 240 |
| aagtgaaaag | taaacaataa | cacgggcaat | cggaaaagtg | gttttcgata | aatcgcaccg | 300 |
| cacacacaca | cctgtcagtg | tgagtgtcaa | agtgagtggt | tggagtggtc | gtcgaaggag | 360 |
| aggaaaggtc | aagccaaaat | ttgcgtaaag | aaaaggaaaag | gaaagcttag | aagaggggaa | 420 |
| aggggaatta | cgtcagtctg | cattccgata | aaaattttga | ttccttaaac | cgatcctgat | 480 |
| agccagcatt | acgatggca | | | | | 499 |

<210> 830
 <211> 580
 <212> DNA
 <213> *Drosophila melanogaster*

| | | |
|------------|-------------|---|
| <400> | 830 | |
| gcttaaaccg | actccgccag | ctccgctcat tatatagttt cccttcctttt gttgaatcat 60 |
| tcgatttcgc | acatcgtacg | agttttctcg cgaataagaa agcagcttgc cgttcgcgtt 120 |
| ggctcagtg | gagtgtgtgc | ggcctatggt aacgcgaatg gtggtgcact gttaacgcga 180 |
| ctgccacaag | ttgctgttaa | ctgtcaaccc agtcgctggc ttcaaagcag caagccgccc 240 |
| ataacaaata | atgctgtgtg | ccggtatatg cgcagtcaaa gctccgactg cgcggcatca 300 |
| cctgatttgc | aattttctaca | ccaactttcc accagctgaa cattcaaaca aaaaacctaa 360 |
| tcgcccggca | tcccgcgcca | gagagcgaaa gctctgcgct tgcgggtggt aaagagcttt 420 |
| tgcttaacag | cgaaggggtg | gcagacaagt tgcagatgcg gcagaatgat cacaatttta 480 |
| aaatatttaa | tacacgaaat | gagttatact aaccagactt tcgcatcctc ttctccaatt 540 |
| gcagccccta | cactaaacct | gtgcaagccg tggaccaccg 580 |

<210> 831
 <211> 256
 <212> DNA
 <213> *Drosophila melanogaster*

| | | |
|------------|------------|---|
| <400> | 831 | |
| gatgagatgc | cacccgagcg | gcgattgggt gaggtcacca tgttttgcgt cggcttctgc 60 |
| agggcggtcg | acttcctgag | actcgccttg ttggcgccac tgaatagggt gcgcgtcgag 120 |
| ttgaggctct | gcagcgaggt | gtccagcttg ttgcgaatcc tgtccagatc ggcacgcatt 180 |
| cgctggatat | ccatcgctat | gggtgtgtcg tcgctttgca gcttcttggt ctgctgcaac 240 |
| atggtctcca | gcactt | |
| | | 256 |

<210> 832
 <211> 406
 <212> DNA

<213> Drosophila melanogaster

<400> 832

```
atctggattg aggtcttgcc acagttagcc gagcaaagcg cagctatacc aattctccat      60
ggccgtctcg gccacagtgg gtcaattctc catgctccac tctgggcaat caatttctcg      120
atattgttgt gcagtgcacg tagattgagt cactcctcct cgcattcggc attcccattt      180
gtatatatat acactcatat tcgtaattat tgtaatgagc catttctcta gttactttcc      240
tcgttggctg catgggctgg gtttttaatt aattttccat tgaccagcc tgacagctga      300
gcctcagctt tttcctcttt tatttctgag ctgagctcag aggctctgcc agcccaagag      360
catttcatat taattctcat tttttcgggc tccaattcgg ggcttc                      406
```

<210> 833

<211> 460

<212> DNA

<213> Drosophila melanogaster

<400> 833

```
gccccatccg agcgcatgtg gattgatgag cggagagagc gagcgagagc gcggtacatt      60
agcattaacg gcgcatgtgg cgcgaaaatg cggatggaat caccttgtgg ttgttgttgt      120
tgccgcgtgc accaccctta aagaacttgt tttgcactga cagaaatttt gagccgcccg      180
tggttgaaaa aatgcaattg caacagtgc cgtggataat tgggaactcg aactgcgggc      240
cgggggtgag aggtaaaagg cgcaggtgca cggagagcga gatacaggta aaaagtgaag      300
cggttatcct gaggaagaaa caagtaatca tgcttggccg tggatcgtct atttgaagtg      360
taaatatgta ttgtaatgca atatggtatg tattgaagtg tgttggtatg aaggaaagca      420
ggccggaata ctgattactg ctaccgtatg taggcagatt                      460
```

<210> 834

<211> 99

<212> DNA

<213> Drosophila melanogaster

<400> 834

```
ctttgaatga aaacaccgaa tagcatataa aatgcatttg ctcttagta aaaaaggttaa      60
gaaggtttgc cgctgttttc gtattcgaat tacgaattc                      99
```

<210> 835

<211> 178

<212> DNA

<213> Drosophila melanogaster

<400> 835

```
gtccttactt gcaattcatt ttcgaaagaa tcaagttggt tgcttttatt gaaagtctgc      60
agtctgaaat taattgaagt gaagaatata aaggccttgc ttactcttga ccaatctcag      120
```

gtaagtataa accattatag acggactaag aaaaggcaaa gaatctgtag gtgaattc 178

<210> 836
 <211> 602
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 836
 gcctagccaa aagctaggca aacaggccaa gcccacccc ataaaacccat gtcacatttc 60
 tggctcgttt tttatctggc caagaaagaa acaaacaaac actgtcgcac attagagcgc 120
 aacgtgccga gcccataaaa agatttcgac gtcttcgcac gagtcataat acaccctcgc 180
 cattcgcctt ccccatgaaa tcaccacct gaggcacgtc ataataatat tggtggtgtg 240
 gctgcatttt ccttgcacgc ttttaggcgc aatttttaaa tggttctaga atatgcgccg 300
 aaaacgcaac agttgctcat gttttcatcc ttaaaaatta agtagtgaaa tttgaaaagt 360
 ccatattaaa aacagttttt aaaattttta gagatttttt gtttctgtca ggagcacatc 420
 aatttaaaga cttttatggg ggtcatcaat acagtattca cctttaacat ttacattacg 480
 tctataattt aaagcacagc tggcagcaca gttaatgagt aatattctgg caccctaaac 540
 ggcttaaaaa agttcaaac cgcaaaacaa ggtccttggc tttcaaggac atgacctggg 600
 tg 602

<210> 837
 <211> 562
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 837
 cgacggacct ttcgaaaact tgacgaacac gaagcagagg ttcaaagcaa aatggagtaa 60
 acgagtgaag aacaaaataa tgaattatgt caaaagtggc gcaaatatct ttggtacacg 120
 aagaaaaaga ttggtagtgg catttagccc ttaccacaaa tctacgtaca tacatatgta 180
 tgtatgttta catatgtaga attattaata gtattttaat tattgtaaaa tcgtggttat 240
 atttattttt gtgagtagtt actctatgta cgtgctccca accaatgagt gagcgagata 300
 gactgctaag tggagaatgg gagttcattg atatttctcg ggcgttttgc tttcgcttcc 360
 ccttcgtctc caccttgctt cgcgccatct tcgttctttc ctcttctcct ctgcttccat 420
 ttacctgcca cattcatttt gtgggtgggtc ttcgcaattt tgctttcttc ttaattttg 480
 cattcttttg gacgtttttt agtttgcggtg tcgtttttgc gccgttaact ttggaccgtc 540
 tgcggggtgt ctggtgtgga tg 562

<210> 838
 <211> 521
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 838
 gggccgtcta ttttaagcact gcctctcgag gagagagtaa ctttctttta acgctctcgc 60
 tgctctcttt ttcgctctcc ccgaaatcgt tacgacgctc actcgctctc tctctccac 120
 gccattggcc catacaatac actcaaaaaa tcgccgcggc atttgtagag ccgcagtcga 180
 taagacaaca acaacagccc agagcagagc gatcgttga tttttggtat attattttgc 240
 ggtgattttc tgataatata gtatctatat agtaaggctt tagggagggtg ccatatatca 300
 ggcggcgcta cggcaggcaa aaggatttac tcgtaggccc cacttgatgt atggaataat 360
 cccgttttcc tttttggttt gctaaccacc ggatatgtgc ttcccgtcgg acgggttcgt 420
 acaagacttg actttgcccg gtccgttcga tggcttagaa attgccgctt gcttcttctt 480
 gcgcctaaat cgggtgcata cattttcgtc atacttgata c 521

<210> 839
 <211> 619
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 839
 gttgtgggtg tgcgcgagcg tgtgagctat agctctcatt ctataaaccg tatctctagt 60
 gcaaattgtgt gtgtgtaatt cgagtaaagc cggtagaagt cgcagctgtt tttgcctatt 120
 tttacgctca cacatatttt gcaacaaaga aaaacaacaa ttctctagcg gcgattttat 180
 ggctcgtgca attcgtctca ggttcggtta tgatcaaaaa tatttggtatg ctaattttag 240
 caggctgccg ttactaataa atacgaaatc gtgtttaata gttcatcata gcgaccccta 300
 aaatatattc aggaataaaa cggaaacaac aagtgaatat atgcataaat agttgttgat 360
 ttcatagctt agcataatgt ttttcaaatt tcatttatgt caagtatttg aactgaaatt 420
 tttttcgggtg caccgaaca cagattttct gctatcttct actttggcgt ggccatagag 480
 ctcagccaaa aatttgaca aaaattaatg tcagctgact tgctttggtt cacttctcat 540
 tttcgtggcg cttcacacac acctggcacc atctgcaggt gaagagtcga aagataagcc 600
 agaacgctac gttaatggt 619

<210> 840
 <211> 535
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 840
 ttccgtgcga ttgccgagcg gtaagcggcg agcgtctaaa cgctcactca ctcacacact 60

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| caagttcata | ttttgtatgg | tacagtgggc | ctggttgcca | gatttcgctg | aggggcgag | 120 |
| tttggtttg | caatttacca | atttacaggc | gttttgccgc | ccaaatcgcc | caaatcgccg | 180 |
| aactaagctg | ggagcgtgac | caaatcaatc | gactgttcag | acacagcatc | ttgagtggtc | 240 |
| ttgtaagtaa | gacatttacg | ccaattttcc | aatcaccaaa | cctggttggtg | agcaacagcc | 300 |
| gccaacggtg | cgtatgatta | atgcctatcg | ctgtctgtca | tctgagctga | ggctgggaca | 360 |
| atgggcagcg | cagcactcga | aaaagtacct | ggcaggcgct | gtatcataat | gctctcgctg | 420 |
| tcacgpgcac | ttcaatagct | aaaaaacct | tatcaaagct | ttaaggcctt | atcaccgaca | 480 |
| aactgactct | ttggcgcttc | ttatcaacca | ccattggccg | cgatttcagt | gagtt | 535 |

<210> 841
 <211> 342
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|-------------|
| <400> 841 | |
| ccaccaacca | agccacctac |
| ccgccatctc | gacgatgaac |
| tgctcgcgctg | tttgctgcca |
| | 60 |
| tttctgtccg | ggcttggtat |
| tgtttaactg | gcaatgatta |
| atggcaatga | ggcagggcag |
| | 120 |
| agcagagcaa | aagcggagca |
| agaagggtggg | caccgagttt |
| tgaactacac | aaaacggaac |
| | 180 |
| atcatcacat | cgctggcatt |
| tctttttgcc | agtgaccag |
| aaacatttct | tcgccagctg |
| | 240 |
| ccattcaaca | cttgaggggtg |
| attagaattt | gcgccatcac |
| tgaagcggggg | gccgataaaa |
| | 300 |
| gcggagcatt | ttattgattt |
| gtctgactca | ttggatgtgc |
| cg | |
| | 342 |

<210> 842
 <211> 512
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|------------|
| <400> 842 | |
| gtacacgggc | gacaacaaca |
| aatgcagtat | agcgaacgaa |
| tgtgacgatt | ctattatgat |
| | 60 |
| cgtttatggt | cggttataag |
| gcgtggaaaa | gtgtcatcca |
| ttcccagaca | tctagacagc |
| | 120 |
| caaacttaag | atcatatggc |
| tgcgttctag | acattctgaa |
| gaaagccaaa | aacaaaagca |
| | 180 |
| tgtattcagc | aaaagtcgac |
| aagacatgag | taactccaat |
| cgaaatattt | gggctataaa |
| | 240 |
| cccaaaaact | gggtgtattc |
| acttgtgtac | tattacctca |
| tgtcttttta | ttctttttca |
| | 300 |
| gatactctac | gcgttaatac |
| accttctgta | cacattgctt |
| aagttggaaa | atgtatgttt |
| | 360 |
| atggagccta | atataataat |
| tccattgttg | ttgttaaata |
| acgattacat | atttaattat |
| | 420 |
| gtgcagcaag | ataaataaat |
| tattcatcac | accattgtca |
| ccgtcacaaat | atcttaaggt |
| | 480 |
| tttggttaatt | catataaatg |
| gtaataccat | ca |
| | 512 |

<210> 843
 <211> 515
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 843
 ggctgcggga aaccaggaag agatatgatg gtggcggggg cgtaggggaa tggaaaagca 60
 gtgtagaagc aaacgtcgag cgacgtcacg caaaagttgt ttgcgttggc gaatagagcg 120
 caaaagtagg caacgttatc tgttcattgc ggtgactgtg tgtgcggtaa agtggggtcgg 180
 tgggtggaat gtttacacac atgaccctgc catgggagta tgcgtgggtg tgagtatgtg 240
 aggcattgctg atgagttctg tatgttggtt ttcttgaaca aactttaatt gtttttgatt 300
 ttcttaagga ttcaagtgcc gcgagtttta ttacttggtt gtttactcat ctgaaggatg 360
 atgcatagag gtgcggggac agtttgcctt ttagaagcct tttcaaacgc ccagttggta 420
 aaaaaatgag aaagcggaaa ggggcataac agaaatgggt ctctcttggc taattagatg 480
 agcgttggtg tgcttcctg aaaaaagggg aattc 515

<210> 844
 <211> 499
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 844
 gcttggcggc aaaagaatga agcacgacgg ccgcagagag aacaaggcag cgaagagaga 60
 gcccgcgctc tcttaggcgc tctctttcgg ccacaaggca ctcggttggg gcattgaccc 120
 cacagctcgc tgacccactt acgaagctgc tttttgccac tgcgaatgcg agttgcgaat 180
 tgcgaactgc cgacgtgcg agctcgtgcc tccgtcgacg ccgctgccgt catcgttgctc 240
 ggtgtttctg tttcgacgaa cgagcaactt gtgcaatagt cgcagcagca acagcaacaa 300
 gagcagcaac aacaacggct gcagcggcaa cagcaagcaa ttcgcagtcg cagcagaggc 360
 gactgcgctg ccacatgggc aactcaaaat tggactgtgc ttcactcttt gctagcacag 420
 tggttgaaag taaggcggtt aataatgata aataatatat atgcattatt gaatgaaatg 480
 gaagaataga ctgcagggg 499

<210> 845
 <211> 565
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 845
 ggtaccacgt ttgtgttggt gtgaccgacg gggggatgcg agaaaatacc accaattaat 60
 acaaataggg ttaaaatacc aattagcgtg tacacaatcc acaattagcg tggacacgca 120

ccgaaactat ctttttagcca gtacaacctc caaagttatg acgattggta acgccgtttt 180
cgacttcgaa tatttgtagt tgccaacctt cttgaagatt gtatgcgtgc gtgaatttaa 240
atTTTTTTTaa atcgtgataa tgcgtcgagc aacaatctaa gctaaaatta gatggcaccg 300
gcgttttattg atgcgaaaca tatgcaatgc caacaatctt aatatgattc tatgcttttag 360
ctctttgaac ctttaaagt tggccaagca cccaaagtgt tgaactatag catgtgtttt 420
atttaaaatc tatttgtagt agagcttaaa acctaaacag tgggggtgtg gattaaggta 480
tctacaactg cgtgattgga agagaccag ttgctttgtg acggtcacaa cccgatgctg 540
tgtcaagctt tacgctttat gataa 565

<210> 846
<211> 586
<212> DNA
<213> *Drosophila melanogaster*

<400> 846
ctttgcaccg atgacgtatc ggctatttgc aatttcacat agttgcgatt gcgtttcgtt 60
ctatatgtt ctaaattgtt gtcgctgccc ccaactcacac atacgccctc acaaaacagg 120
tgcagaatgt gataacacac acacacacac acactctccc gccgagcaag ccggtaaaca 180
aaactggaaa gagagagtgc cagagagcaa agcttccttt ttttggcaaa gagcggaag 240
aagcttcgtg ttgccattgg tggtcgacgc cgggtgggtg ttggtggtg tgctgttgag 300
cgTTTTTTTaa cacaattgca ttcaaaaaat gtgtgcttag tatttcggca actttgtgac 360
tgagcgaacg ttctgtgttc tctgcttttc attatttcgg agatttttcg agagtaactt 420
gcgatttctg gcccgaaattg agtcacacat ttagagccta gaccgtgata agaccgaaa 480
aaaatattaa acataaaacg caagtaagag gagccacgag aaaccaaaaca aaagtgaag 540
ccattgacat ttgtcctgcc aagtttgaag tgatgacctt gaattc 586

<210> 847
<211> 503
<212> DNA
<213> *Drosophila melanogaster*

<400> 847
tctcagactg aaactcgaat taaaaatgta cagttaaagc ggagcgttct ctcgctctct 60
ctctctctct ctctctccca ggagaaagat agatacaaag agagagcgct gctaactctc 120
tccctcgtaa tttgtatata caccgttttg tctgtttgcg tatgtgctta catttatctt 180
tcactttttt tctgctctgc cttatgcgta tttatttttag tacataaaac aagacggcta 240
aacagggtgt cgcaaaaagt agttgggttt cttcgggatt caattgaata atgatcatta 300
tcccatgatc atgaattagt tgagatacgt ttggcacgga taattcttaa gtggtacagt 360

aacgaattgt atagatttca agaaatagtt ttgaaaataa ttcgttgctt tccatatctt 420
 tcgattccaa ccaccagatt actttgtcct ataaaatgta tcttcaccct tagaaacaca 480
 acctaaacct ttactaatca gaa 503

<210> 848
 <211> 620
 <212> DNA
 <213> Drosophila melanogaster

<400> 848
 tgtctcttgc cgaccctacg tgggctggaa gaactcgggtg cgccacaatc tcagcctgaa 60
 cgagtgccttc aagaagctgc caaagggcat gggcgtgggc aagccgggca agggcaacta 120
 ctggaccatt gacgagaact cggctcatct cttcgaggac gagggcagcc tgaggcgccg 180
 gccgcgtggc tatcgctcca agatcaaggt gaagccgtat gccggccatg ccaatggata 240
 ctacgccagc ggctatggcg atgcgggaat ggtaagctcc atcgatttca taacaactta 300
 agatcatata atatctatag tacttctctc tttgcccacc aggacaatgg caactattac 360
 gcctcgcttg cctttgctag ctacgattac agtgcagctg gagccacttg gcgtctcgcc 420
 ggctgggttg tcaaggattc gcccgatccc tggaacgccc atgccggcca cagtggctcg 480
 tcgtccggtg gggccgtggg catggggccg tgggtcccct ggcccagtat acgaacatat 540
 ctggctggca gccggaggca atgggtgaatg gctcggctac acgcccccg c tggcccactt 600
 cgcaactggga atgggccccat 620

<210> 849
 <211> 519
 <212> DNA
 <213> Drosophila melanogaster

<400> 849
 gcgtggatgt acctgctcga gtaaataaca tcgatgaaaa catcgataat atcggccttg 60
 gtattgtcgt gacacacgca cagtgggtgca ccacacatcg gttcgttaaa atataaacia 120
 atataaatca aattttttgta tttaaaaaaa agtggttaacg taaactgggtc aatttttatat 180
 tctgctaata agaacaagaa taaaattttt ttacaattaa ggaatatcat aacaagaatt 240
 gatttaacgt ataaataaat gccatgaata tatttttcca cctaaatata cattacagat 300
 attttttact atgatcagta tgttgcggac tatcgactac cacaaaaaac gctggaaagt 360
 ctatcgatga ttttacaaga tgcttcatcc ctggaaagtt ggcgcgcaat tcaaactaag 420
 agtgcaaaat atttctcaac agtcacaatc agcaataaaa ataaaaatat ctagtcgctt 480
 atattttatt atattacact taatataatc cattgattt 519

<210> 850
 <211> 80
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 850
 gactggagtc gcagaaaaac atatgaaaac gtgtgcagtt tgggaccagg gttgccaaca 60
 gatattatta ttttgaattc 80

<210> 851
 <211> 370
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 851
 ggtaaagtgt tgagctgtcg ctgcggctct cggcaattta tactcgcagc tcggtacttc 60
 ggctccgaac atccacttcg gcttcggcac gggcttcggc ttcgtccgct ctccaaattc 120
 ttattttttt ttttattatt actgtgagtc gagtgaagct cgctcttttg tgctctttgc 180
 cacgatgact tgtgcacttg ccagtgtcc cattgtgaat gggcaacgag gggctggtgc 240
 aaacgaaccg ccaccacca ctgcacagtg ggacggatac ttaaatcatt agattcaata 300
 ttaaacagta gattaaaatt aatagttttc ccactttatg tattatagaa taagtgttcc 360
 ttttgaattc 370

<210> 852
 <211> 748
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 852
 tgtgagtcga ggtgagccaa atacgaacca tccggaccga gccgagccaa aacgagcccc 60
 actatgccag ccgaactcat taaaaagccg agcggcattt aaggatgcgc ctgcgcagca 120
 atctcttata ctgcgcgaa agctctgcga aaaagctccg agatcgagcc gagcttgggtg 180
 acacttttcg ttgaaatacg gcggcacact tggcacggag ctcaagttact gccaaagtgtg 240
 cagtgtgagt ggtgctccca gggaaggaca agccttctgg agaaggaat ggaaagcctc 300
 agccggaaat ggagccctcc agtcagacca ccaagatcat ctggcatgg aaatggaaat 360
 ggatgtagag gtgaagggtg tagtggaatt ggtgatggag atggagatgg cagaggaagt 420
 gagccactct agacacgaat cgtgaatcag cggcgcattc aacgtcaaca cgtaatcccc 480
 gcaaggactg actcgttctc gtcgtcctcc tcactcttcg cgaggtggag gcatcataat 540
 aatgcccccg attaaagaac aaaaagccag gctgaagtgc tgcaagtcatt ttgtgtgctc 600
 attgtgcaaa cagatccccg gtccttgctc ctggttctcg cgccggaaac gctttaagac 660

cccgccagcc gagggcttag tgcgggcaca taatgtctgc taatatttga aaatgcgtcg 720
 cattaattga catgaaagag tcacgaaa 748

<210> 853
 <211> 535
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 853
 gtgagagcca ttaaccaaga gaacagtaat agagcgcatt ctctctttcc atgatcctct 60
 ttagcttcat cactctcaca tacataaaca caactttgca tatgtgtaac tttcgtattt 120
 ttaacagttt caaactaaat gcatatgcc taaaccatta ggtttgaaca gaaagcatta 180
 aaagtgataa tcccataata aatgtctact tttggcagtt ttccaggaca aaccacccac 240
 tccgccatcc gccgccagg aggcagccca gctcttgga agttccggag cggagcaagt 300
 cagcttcatg cagtcgctga agaacctgat gaccaaccgg aacttcatct tcctgtcct 360
 ctcgtagcgc atcaatgtgg gcgtctttta cgccatttcc acgctcctca atccggtacg 420
 aacatacttc gcatacttcc actcgattaa tgagcggctg ctaatggggt cttattgctg 480
 ggatctgttt ccagggtggc tgaagtatta tcccggcacg aagtggacgc cggac 535

<210> 854
 <211> 581
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 854
 gcaccagcca gatgggaaac tgtgcggcag tgggtcgaag agccaatgct ctcgaaaaat 60
 ctatttagtt agctattaat tatccacttg atttctaaat ataaacaatg gtgttcatta 120
 aagcagggaa gttttaatgg ggtagtagg tcagtcaagt atttattatt tagttttggt 180
 ttttattaac tagctatgcc ttcataaata aaccaattgc aatagtttag ttattatata 240
 gattttttga tatttaatag atgtttctga ggtaggggtat ccaaacgact atgcttagcc 300
 atctgcaa at ccccttcacc ccatatgagg tcagtttgct gtccggcaca gctgggtatt 360
 tatttttagg catcgcaatt ggatttaca attaaatggt tctgccccac gattttagc 420
 cgcacttggt ccaactgcct atagtattcc atatgcatgt gaatgggggt tgtctatagg 480
 ccctcggggg cctctaagct tgctagcggg ggtgggtccg ctataattct gggcacgtct 540
 tatgactgcc aggggtggtg aatagaccat ttcattacat c 581

<210> 855
 <211> 342
 <212> DNA

<213> Drosophila melanogaster

<400> 855

ggtcagaatg ttcggatcgt agtgattcat cgtggaaatc atgcgagtac cacgcgagta 60
aaactggaaa cacgacggaa cttctccgat cgtttataag ccaattactt tgtgagaaat 120
gcctcgcgat agtatacatt tggaaaatta tcttgatta gacaatgttc tgattagtga 180
agttcgaccg tactgaatgc gttcattatt cttaaacaat caatgcgcga ttgctacgtg 240
tattgatagg attaggggat atgtacatta agttctacag gataattcat cagcataatc 300
cgtacgaaac tacttccttt ccactaggga cgctttccgc aa 342

<210> 856

<211> 77

<212> DNA

<213> Drosophila melanogaster

<400> 856

agctggccca gtggctttta ttttcgaccc gctcgcagac atcagttgca gttcggaagc 60
ggaatcgat gatgcgg 77

<210> 857

<211> 496

<212> DNA

<213> Drosophila melanogaster

<400> 857

gtctggctta gtacattacg tactctggtc acattgcttt agtgaaaaga aaaacgaagg 60
tataaacttg tagaactgcc gtctaaaagt gaataattta ttgcaatcgg tgctaaaaag 120
aatgatatga gcttattaca ctgcagctaa ctaatgtaaa actcttcacg tagaagtggc 180
cgaactgtta gccgttaatg aagttagagt tctttaggag gacgctgcca acgcgacgtc 240
gctgcgggaa agagatggaa agcgttagcc ggcgttcgtc cgaaatttct ccgctattca 300
actggctttt gaagcctgga gtgagcataa attaatggtc cgcaccttaa ttatcgcggt 360
gtcgcaatta ttgtgctgtt gcagtagtgc aaagtgcgtt tcgtgcatat gtgtgccgtg 420
tcaagtatta acgggttgtg tattccgccg ttctgcactg gtaattgggtg gcagctatag 480
ctgcactttt ccataa 496

<210> 858

<211> 582

<212> DNA

<213> Drosophila melanogaster

<400> 858

gcctgtttta tttacgccga aagcttaaac acaagaggcg aaaacaaaac cgaaaccaa 60
atctaaaaac gtgtttcaaa tgttcctatc tgtgttgtgt ctctgggtcc agtatttggg 120

| | |
|---|-----|
| gtttggcgta caagcatgtg gatatggata cgaacagaaac ggaaagacga aacataacat | 180 |
| atcgaatgct atttactcca tgtgtcttgt ttcacgctcg atttgcgctg ccagcagagc | 240 |
| taaaaaataa aaaactacgc ttactgatta aaaaagctgt cgccgggctt tatattttgc | 300 |
| gtcgaactga ttgtgtgcag tgattactcg gaagcgggaa ttagaaagga ccccggccag | 360 |
| atattttattt gattaaaaaa tgcaaaagca tgctgctagc aacagaaaag aagaattggt | 420 |
| taaattaatc ataaaatagc actagttttt gcactagttt acactttata ctttatccta | 480 |
| aacaccagct cgggcaacct ttttgaaaac tcgagaattt actgggttata aaatagggtcc | 540 |
| actggaccct aaacaaacag gaaggggtga acaattataa tt | 582 |

<210> 859
 <211> 483
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 859 | |
| gttccaacca ggcagcagta aacaaactgg atgatgccgg tgagcagaat gtagccgagg | 60 |
| tagatgtcca ccagcttcag tcttgggctg attctgcacg tagtcgttgt agaacttga | 120 |
| aatgacgctc gacagctcca ccattttgct attttatgtg atattttgtcc ggatatttaa | 180 |
| ggataaaggc gctttttaac aaattaatcg cagacacgct acaaattggg agagaactca | 240 |
| aaagtaggac cgttcgtcta gtttgaaaat aatactgata gctttatcga tgaaggcgca | 300 |
| agtacagtgg gcactcaata cttgaagtt taataaagaa taggtttata tattaaaaaa | 360 |
| tttttgtggt ttagttaaaa ctaaaacata acaaattcta tagattaatg accgctatcg | 420 |
| attctttttt aatgttgcac atgtttgaga ggtaatggta taatttaatt tatataaaaa | 480 |
| gaa | 483 |

<210> 860
 <211> 560
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 860 | |
| gtctgcccc tcttttgtgt gccggcagcg catgtgtacg tttaactttg tgtatgtgtg | 60 |
| tctctagcgg gtgtgtgtgg agctgacttc ggtgctgcgt cttcttcttc gtggtttgct | 120 |
| tcgcgcgcgc tgctgctgct atggttggtg ttggtttgtg caaggctggt tgcgtacaaa | 180 |
| attcaacatt atttgaaggt cgtcctttgc ttattctgcg cgtcgttttt tactcggtcg | 240 |
| ctctctcttc cccagcgggc ttttttttga atgtccctct ctgtcgtgtg ctcgattttg | 300 |
| tctttgtgca gtgcgtgggt ttttgtcttc gctaaacaca tcgaatggtc ctagtgtgtc | 360 |

ttaaagggga aagaatttat tttaagtctt ttgatttatt agaattggtt cctggaacac 420
 acttcaccgg ttattaagct accaaacatt cattggctcc aaaatggtgc tttccaaaca 480
 aagaaggggtg attcccaggg aaacataaaa ggtataaaaa aataaaagac cccaaataat 540
 ttcttaaagt cccatgctga 560

<210> 861
 <211> 596
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 861
 gttgagacaa actgataagg ataagcaaag atcactctct tgatgctctc tttgcacaat 60
 tctcaatcgt tatgatatcc ttctgatatg ccattgctta tgctgtgacc ttgaacttgg 120
 ctggacgaga cgggcacgtg acaatcaaca gttccatctt ctgcatttta aaatgcattt 180
 aagcagctct tgcagcacat ttgcctgcc acaaagtgcg ggcagcatcg caattttgtc 240
 gcgcctgggt ttctgtgtcca cacatataca tatgtatatg catgtatgta tgtacacaaa 300
 tacataccta gcactatagt gcaactagcc ctctggttct tctttctatg tggttgctgt 360
 tgctgctttt ttcttgtggg cggttaacgc tcaagcgggt cgaacgcca tgttgcgccc 420
 ctccctgcc ctccacctt cgccagctct ctggtttttc gcatgatgag cttgcctggc 480
 tgctgcttg gtcttgggtt tctttacacg tccttcaacg acgttcgctg gtggggggccc 540
 cgctttgctg gtgctggtgt cctggtgctg ctggtgctgt gctgggtgtg gtgggt 596

<210> 862
 <211> 539
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 862
 atcatgcccc tcattttgtt ttaacaaaaa tttgagtaca agaagtagaa aattcgatgg 60
 tgtgctaaaa ataacattgg gccacagctg ctatcgatta tcgatataatt cttactcttg 120
 caagaatctg acaaaattag ccaagacact aatcaccact gcttggcaag cagtttaatg 180
 ggcgccaatt tcgaaatgca atatttttta ctcaagtcaa gtgctaaagc atattatctt 240
 tttttttcaa cagatatact caacaaaagc cgcattgata aagtgcacac gagacatggg 300
 taagttcaag cttattatca agatatgttg tcattaacaa gctttaacaa tttattagca 360
 acatcgagac ccttccccga ttcttctgca acttgcgaaa tctgcgctgt tgcatggggg 420
 atgcgatatc gctggaatgt cacgttgagg cccgatccgg agcccgttca tcatctggga 480
 aaaggatggg catgttgtgc ccagcgatcg ggactacgtg atgtccttcg atgggacca 539

<210> 863
 <211> 505
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 863
 agctgaaaac taaaagtccg acgcgtctta cagtgtgacc acaccgctca gtgataccag 60
 gttttctata ctatctatga ctatcgctga attgcggtat ttaaataccg attgggttgg 120
 atagattggt cactaagttc ctttttaata cgctagtggc gccactgctg tttcaaaaaa 180
 taccgcgtga tctgggaatc gggtatttct gctttatggt ttttaaaaca tttatttata 240
 gatggcgcct tgggtatttt tattattttc atacattacc gttatcaatt tataaattgc 300
 aaacttttta aaacaaagtc aagtttgccc cagaaaatcg aaatgctgtg tttttaagga 360
 tttttcttta tttataatct aatggcaatt tcttccattt caaaaagcgt acaattctga 420
 gtttcatctt tagaggctt ttataactgg gcaatgtgct caacgatttc tttcttgctc 480
 tacttttggc ttattatatt ttgag 505

<210> 864
 <211> 504
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 864
 cgcggatcgc tcggctggcg gcccctcatt taccgttcga aactcgtcta ggccagagca 60
 tctttgcatg tggtcgtgat tctgtgtgag cacgttcgct ggatcgctct acattaagaa 120
 agaagtgtat tagcttcgat ttattgcac gttgcctagg cccctgcttc tgccctcggtc 180
 gctgcctctg ctggcgtcgc tgatgcagtt ggcgtcgtg tcgacgctgt ggattgtgag 240
 tctcgcgtgg aagtgggaat catcactggt ggatcgggga tcggtctttt atcgttgtgt 300
 attcattcag agcaccata cactcgccga agacgtcgtc tattttgcgt tttttccttc 360
 tgttatgttt ctgagctgag ctgctgctct tttcttagct tttcgttatt aggaaatcga 420
 aaactgaagc tgcgactgcg actggggtct atcatcagtc ccgtgagacg gtctcaaact 480
 attggctgtg gtggcgcttt ttgc 504

<210> 865
 <211> 191
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 865
 gtgcgagcgc ccttttgaga aaaaccaagc gaaaaaagtt aaatcgatag cgaaccgcgc 60
 cactgaagcg ggattatcta acacggctta cagtccgttt cgcccagaat cgcgacttta 120
 ctttccactc tttgcacttg tctcgatttt tccagctacc tttgcgctcg ctaaaaaaaa 180

<210> 866
 <211> 468
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 866
 caggagacgg aacggcttct tgttccactg ccaatcgttt tgaaaggggt gaatgaacgt 60
 gcactgaaaa caaaaggcac atttacattc agattatatt gttattgggt atgtgttttt 120
 gacagacctt tgcctgcact tattacttaa atcaacaagg cacatttaca atcagtttat 180
 attgttattg ggtgtgtttt tgacagacct ttgcctgtac ttattttcac taaacaaaat 240
 gttataaacc aataaataat aattgttagt ctaataatth atagtctgat attatggaac 300
 acaagtgtgt gggctataca cacaccataa tttaatatct actttgggtt gtgccttatt 360
 aattacaaaa tatagaataa atcttttagt atagctaaag ggaaatcgac aaaagtcgta 420
 tcggtttgcg gaatacccct gggcattccg caagtgcagc cacgaaac 468

<210> 867
 <211> 578
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 867
 ctctgggggtg gaccttgggtg gtaagctcat gtttgaaacc atgtaaggggt tcaagtttac 60
 tgtatacccg tgcccagtgc cccaaaaaat atgtcgtaa tttaacgttt agctttaagg 120
 aaagttcacc cttagctgga cttttgggggt ggtggctgcc caactgattg tgtcccat 180
 gttggccgat tacgtcacct gctgcgcggt catttcttcg taggctgtaa taaacaccga 240
 ttgccaaggc aattttaaac gatccgtaat tgactcacac accgggtttt ccgaacttta 300
 tttttgttca gtaaagtgtg aattatgctt tattacatgg ctttcaatat ttcttaggtg 360
 taacaataca caattcctgc agttagtcgt tttagtcgct tatagatgag gatattattt 420
 ggttctgaat gaagtccatc ccatacatat atatattata taggttggga gtcttggtat 480
 cctggggcat atgacgttgc atatgtgcag gactctgaag gttagatttc ttgacccaaa 540
 tctttgcgca acagaaaagt gaagccttag tcatgggc 578

<210> 868
 <211> 598
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 868
 attttgccctt tctgtctgtc tgggttgtgg cgctagaac tttccatcaa aatgctgcga 60

| | | | | | | |
|------------|-------------|--------------|-------------|-------------|-------------|-----|
| caaagcaaat | gggccccaac | at tt tggaaa | acc cgaataa | caatatgctc | tattttttac | 120 |
| gaaattactt | ttctatcggt | atatgggatg | tccacatgta | tttaaacaca | tagctgtcaa | 180 |
| aagtgtcgat | ctaagacttc | cgacattgcc | tattgaaaat | taaaatgtat | gattttgtac | 240 |
| atatttttct | ttttccattt | tcgatttcca | ttattttccg | tcaaacgcct | acaaatgtca | 300 |
| aaaatcgaat | gttgccctatt | ggggcatccc | gagaataaga | gttcaacctg | ggttgtttat | 360 |
| tttttgttgc | tcccgcgtgt | gtttttaagt | ttcctcaact | acgccgccca | atcccccttc | 420 |
| cactatcact | ccgccgctat | cgccatctct | tttccgctgc | ttgggtgctat | tgggtggtgca | 480 |
| gctgcttttg | gtgggttacgc | attcggagca | aaatggtgcc | tgcgtgtgtg | tgtgtgtggt | 540 |
| gaaatgagtg | cgctgtgtgc | ctgtttgc at | ggctggataa | taatttggt a | aggcaaat | 598 |

| | | | | | | | |
|------------|------------|-------------|-------------|-------------|------------|--|-----|
| <400> | 869 | | | | | | |
| tttcgagcta | aacgaacttc | cacgtcagtt | ccctaattcg | atcttttttg | ctctttttgc | | 60 |
| cttgccacgt | aagctatcgg | taatcggcag | tggaaaatcg | aatgtcaatc | gattgtgctc | | 120 |
| tttcggctgc | catcgccgaa | tcgataatcg | tgttgaactt | aacagcgctg | ctgttagcga | | 180 |
| acagctgcga | gttatgttat | gtgtaagggtg | gtgcaataga | atgcagtgac | gtcattaaat | | 240 |
| acgttggggt | aaaataaata | agtgaataag | atataatcaa | agtacattta | aaataaatat | | 300 |
| gtatatTTTT | acaattttat | caaaatattc | cttacattca | gggggtttata | ttaaatttaa | | 360 |
| tttctggctc | ggaggaaatg | ttaccaaagg | ctcagaaatt | tctccaacc | tgccggccca | | 420 |
| agccctgggt | gtccaccgta | aatgaagtcc | ttcccgaaatt | ggactaccgg | gttgcacgat | | 480 |
| cttggtaaat | ccgcagtcct | gtgtaacgct | ctatttcgct | actttgaccc | gtgggcattc | | 540 |
| aacttgccgc | cacccttcgg | ctggtttcga | tgataaagct | tcatgaaagg | ttggggatcc | | 600 |
| cqgaacttca | ctctcacgat | aatccttaaa | gaaa | | | | 634 |

gaaaacgggg gaccgcaaac aacggatcgc gaatttcgtc ttaagacaaa gtcttgcgct 240
gcttgtcacg gtattccacg gccttgccga cggacttccc ggttctggaa aaccgcagcc 300
aggctaaaac gagagaaggt gagagtcgca atatggcgaa aaagatcccc gatcccagcc 360
aaatcgccat gcggtgctgc tccgccaca attccgaacc ccgcccgttg aattc 415

<210> 871
<211> 198
<212> DNA
<213> *Drosophila melanogaster*

<400> 871
attccaggga tacagatata cacagacaca cacaatacac tggcacacag gggcaccga 60
ttccgccgtt tgttttgagg ctaattgttt atacagcgca gattattctt cgcactggat 120
gtatttggtc atccggctat tttcgtttgt ttttgcctcg cagcagcaaa tttgcagcgc 180
acacgcagcc gagaattc 198

<210> 872
<211> 316
<212> DNA
<213> *Drosophila melanogaster*

<400> 872
agtgaatca ataaaagtga ggagctcccc tagatgccat agtcgctcca tcgcggtaat 60
aattttcaag agcaagcagg gtcgaaattc gtcaatcaaa acgttaattt gcatgaatca 120
tttcgagaga aaaaaaaca caaagaaagt ttacgcgtat gactgtgtgt ggtaggtaca 180
cctatttgcg ccacaaaatg gcgtcggcac cgtcggaaaa tctgaaatgc tgtgtttgga 240
ccgttgcccc ctgcctttgc ttggagttat ctacagtgcc ccctccccgg gggaaagaca 300
gccctctcat tgggaa 316

<210> 873
<211> 495
<212> DNA
<213> *Drosophila melanogaster*

<400> 873
agtgaatcca atcgagcaca gctgattcat ttgcgcgatg gttggcaacg cggcagtggc 60
ttatcaaaca gctgatcgac gcaggggtgt agtggttaggg gggtactata acccatcca 120
aaaataaaaa ttaaactgtac ttaaatttca aatagctagt ttattttatt caaaacacat 180
gcacactatt gcaccagcag gctggactgc ggatccggct cgtcgatgct tagggagact 240
atgtgctggc cgggaaccat gacgttgccc agcaggcgcg gctcctggcc ctccaccaag 300
tactcggcgc acatggacag cagcatgttg gcgtcgcggt ccgtgcagtt gaagaatccc 360

accagcacgc gtccgtccgt aatcacgata cgcagaactc gaccagccac ttctggagct 420
 tcctgcgtcc cggcgtaaaa ctggcatcgt catctgggtgc ggggccgtcg ttgtgatgcg 480
 gaaggctccg ggggt 495

<210> 874
 <211> 116
 <212> DNA
 <213> Drosophila melanogaster

<400> 874
 agtggggcga agagtccga gctttattct ctttttccga ctgcgcaca tgtcttaccg 60
 tccgttctct cgcgtctcc gcctgtcagt ccctctctg tgtgtaccag gaattc 116

<210> 875
 <211> 581
 <212> DNA
 <213> Drosophila melanogaster

<220>
 <221> misc_feature
 <222> (1)..(581)
 <223> n = ambiguous/unknown nucleotide

<400> 875
 gtgcgtctt tttcgcagcg agtttcgtgt tctggtttta ttttctctga ttctgattgc 60
 gattgtgaat ctggttctgt gtgaatttcg tttttattaa taaaatgcac aacttccggt 120
 attaattttg caacgacaac aattgctgcg tgtgtgtgtg tgtgagtgtt tgtgtgtttg 180
 tttgcggatt tgtgacagcc gctgacaggc gaaaagcaaa agcaacaaag tgacaagcat 240
 gagcgtgtgt cgcctaggag gaaaagcgga aaagcagacc gaaaaataat aacaacaaaa 300
 agtggggcga aaacggggcg tgggcggcaa tcgaacggta caacctgtcc gcttttttac 360
 caccgccccca cttcccccg tttcttcaac gatttgcgtc ctgtgcacgc gactcgcgct 420
 atctcgtctt ttngntgcgg ttttttttct tgctgntagc tgattcattc ataaaaatcg 480
 gggtgtaaaa aaagaacagc ggnacagaaa aaacgcgctg atttatttat tatgccattg 540
 ccgacgcgtc gcgctgagtc tgggtgntata gttccctaga c 581

<210> 876
 <211> 506
 <212> DNA
 <213> Drosophila melanogaster

<400> 876
 ttcctcatat tctgggtatt taccctaata cgaatataaa atctatctac tggcacacta 60
 ggtgagggaaa ttatggacca caaaagatta cttcatatgt gcagtgcag tagtagaaac 120

| | |
|---|-----|
| catccgtcat taacaaaaag aacttaaatt taaaacgtta ttattttatg tatctgtata | 180 |
| catatatggc taaacttgat taagtcttga catggaaggc atttttggca gtgcggagac | 240 |
| acagcacttg atcaaatgct atagctccca atgtggcatc cacagttggg acagtagtgc | 300 |
| tggacactct tgcagtagtt gatgaagtag ggaaggcaga tgaagggcca gcagctggag | 360 |
| aatcagggtta gcaaagttag taagcccggg ggtatcctga cgccccactc accagcagat | 420 |
| ataccaggtc agacgcacat gtgggtcttg ccgggtggggg acgtggcaga ctgggtgggta | 480 |
| cctcgccctg caggacggac acttac | 506 |

<210> 877
 <211> 411
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 877 | |
| gtgtgtgctt tcgtcactat cgatggggga aaaagaagag tgcgttttca tgggttttct | 60 |
| caagatattt gctcttgaag ccccgaaaaa ctagtaaaat aaatactgtt tgcaatgtgg | 120 |
| gtgtgccact tggccagtta aacatgcaga cagcgacaaa cacttgtgca caagagccga | 180 |
| gccgaacgct cgaattgagg tcaaaatcat ccacaactgg gtctgtgcgg aagcaggggg | 240 |
| ggctcatttc tcaggtcggg gtcgacgcct caatgcagca gaggggtgggg ttttcgcatt | 300 |
| gggggggtgg taagttttgg cttatccctt ccccgacga aagactacat tattgcaggc | 360 |
| ccaaagttcg tatgtatgga tgtgggtgga ctgcgacaat gacaaatcgc a | 411 |

<210> 878
 <211> 492
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 878 | |
| atgtaaataa ttataataga aagaccgaac tatgtcagta gtgtgtatgc acaaagtgtg | 60 |
| ctcaaaataa agcgaaaaaa ttgtgaaata ttttcgtata aaaatactca caccgaccg | 120 |
| agtctgattc tattcttgat taaaaacaaa aagtgaaaag agagtggaac agagagagag | 180 |
| agagtgcaga caaatggaag aaacaaacaa aacgcagaga aaaaaattac caaatattcc | 240 |
| gagaatactt ggcatthaagc aatcgccaaa agactgggcc gaggggaaga gatcgccttg | 300 |
| gaactagggg ctccaatgcc gaccaactaa cacactggcc agccctgggtc tgcaaccatc | 360 |
| tctatctcgc ccgccgtcca attagtgcag cattcttaaa gcggccgagg caactttctt | 420 |
| ctactcccca aacgagtttc agccacgcac caacacacca acaccaatac cagcaacaac | 480 |
| atgacggatg gg | 492 |

<210> 879
 <211> 291
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 879
 gccactgcaa taatggcccc aaacgacgat gccaatcgt gacgccagtg acttcggctt 60
 tcggccgcct ttcgggtttt cgaaattcat ccgtttcaga gaaggaatga actctcgggtg 120
 ccggagagtt gttcactgga aagtcctact actataagct atttactctt ctcttacgct 180
 taagattata tggattatta acatctcatt atgcgttgaa ccaataagtg tggtatatct 240
 tcattaaatt aaatattatg tttaaaatca aataattgcg tgatttaata c 291

<210> 880
 <211> 454
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 880
 gttcccgtta tctgatccag acatataggt ctaaagcgt ctccggggcgc tgcctagagc 60
 gcgactcgcc ggatggaaac cccgtttaat cgcaatcaca agccacagaa agtaaaagca 120
 agcgaaaagc ggcgtcgcac acacacacac acacaacagg gagtaacgcg cagaacgaaa 180
 caacagaaaa tgtgtgtaat acaaaaatcc gttgacgcgt tcgcatttgg ttttagcaga 240
 ggaattgtcg agcgttcgta cgtacttgca tacatatggt atgttatggt actacatgaa 300
 tgttaccata tacacatggt atgttacata catacatagc ttacccaaaat acttggatag 360
 cgtttccttg gcagaaatac gcctgcactt cggccatata agcttcaatt aatatagggg 420
 gttcaatccc cgtatcgga caatttcgaa gaat 454

<210> 881
 <211> 376
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 881
 ggtagggta aaattaaagc cgaatattat caatccatt ccaaagttca attttgtgtc 60
 ggaaccatag taaattaatt gttccttgct attaacaacg aaaaatgcat atttagctat 120
 tgcagttgag acggcagcta ttgcttcttc accacgctgg gaagttgaga atcgagaca 180
 aataaatctt cctcctcctt cgtccggtcc gaccatcaac ttcgatttca atttcataca 240
 tttcgtttgc gtgggacaag cgagcgacag cagtctctgg agtttagcgga tttattttgt 300
 ctcgatttgc tgctgctggt gatattgatg atgtgttgc tgctgtctgt tgttctccgt 360
 aggggtgatt gactga 376

<210> 882
 <211> 597
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 882
 acccagacaa tacgaatttg ttttgctgcc accgctgcat tatcagtaga caatgaattt 60
 ggggttacgc tttctggcaa acaaagtaaa agcgtgttgt ggctcaaaaa agcagcatta 120
 attagcacag acgaggtcaa tgaaatagca atgatggcgt caataaaata tatgtaaata 180
 ttttaataata tttatttaaa ttggaataag taaatagcag cctgttttac tttccgaaac 240
 tcaataacta actttaacca ttccattcct actttaatca ctgccactgt acactttaag 300
 atttgtttga atacgtatgg tttttttttt tgcaaacctg tccgtttata catacatata 360
 tactatatag cagaactgaa acaataaaca cattttctaata gccacaaaacg aatcgccaat 420
 gccgatcgct tttgggattc gcataaacg ctcacgaatc gcgtcaaaat cgcgcgttag 480
 ctggtggagc ttccaaaaat tcccccaaac caaaagccaa tttaaattcg aaaaagccat 540
 gatttagcct gatgtcttgc aatttatgcc ttcgacattc gttagtcccc cattttg 597

<210> 883
 <211> 498
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 883
 ctgcagacga agcgccgaag cagcgtcgtt tgacgtttct ttttcacatt ctctcacttt 60
 tgctaagact ctcacgctgg cggctgcggg tgacaaaggc tcctttaact attccactat 120
 gctcaagttt ctggtaagtt ttccggtttc ctgattcaca cctgaaaatt actacactcg 180
 cctaagtata cggtatgcat atcagatacg agatacaact tttctgtggt ttttgtggtt 240
 gtgttgcttt tcgcggcgat gacgcgcccc tgcacagtgg tgaaatgtgt tgtctagggg 300
 ttcaaaatca aaaccaatta tttgattaaa tattaatgat taatataaat gacaaaataa 360
 aatacatattg aaaatacctt cccaatatct aacttcaca aataaaaaaa tagttattaa 420
 aagttttaag caaaattcca aaatattctt gctcggataa aacaagagtt ggatggtaaa 480
 cggtagaagt gcgcaaaa 498

<210> 884
 <211> 375
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 884
 tgaggaacct tttggaaccg gccgacgaca gcgaagccaa cgaagccacc cgaagtccac 60
 ccgatccggg cgctttcgtc tatcagccgg ggcaaaaaaa aaagggttaa aatcagggat 120

| | |
|--|-----|
| aaaaacaaaa ccaaacaaat tgttcggagg gttagggacg taggacattg gtttccagat | 180 |
| ttgaggggta ctttttatct gccgatgctc aagattctct tattagagaa caatcgggtct | 240 |
| ctctctctct tcgcaattga gcgactttga gtgagttttt gtgctccgcc tcttgagaag | 300 |
| cactcaaaga tttggaatgt cttgggtgcc ggagagactt tccaaatgat ctttttaatg | 360 |
| tttttttttg gtgaa | 375 |

<210> 885
 <211> 486
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 885 | |
| tgccgtactt tctgtgcttg tgccctctct ctgcccttcc gctctctcca ctcttcttcc | 60 |
| cgctctcttt tcacaacaat aaacaacaac aaacacgcgg aatgcgggat gagagccact | 120 |
| ttttagttgt tgtagtcaa ttgtttgcct attgaggaaa agcgcgcaat caatatcaat | 180 |
| tcgccaggcg tgcttgaata atttctcttc ttatttattt tttctttgtg aatagggggg | 240 |
| tgtgtgggta aacaacaac accaaccgtt agcgtcatca ccgcacaacg cacatttcac | 300 |
| gagtgaatc aaaatcaaat gcgaaatgag cacaggctga aagcagcgac gtccgcagcg | 360 |
| cagtggctgc gcaagtttcg ctttttgccc agtctccatt ctctcttctt tctggctctt | 420 |
| cgcttcttga ttcttggat ttttcttgc gcgctctggt ttggtgccat ttttctgtgt | 480 |
| cttttc | 486 |

<210> 886
 <211> 544
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 886 | |
| acaaaccttg gttaatcggg aacattgctt acattaagcg gtgtaagaga gcagcactta | 60 |
| gagaattgta cactctttat cttgctcaat tgaactttga agagagccgg caactttggt | 120 |
| tgttgcgacg ccaaatttca atgtcgacgt cgcagtcggc agcgtaagct ttcgagcagc | 180 |
| gaaaacaaca aacggatgcg agtaaagcaa aagagacaca aaaatgcagt tgtgaatcta | 240 |
| gtactaagat taaattatta cagacaaacg taactttatt tgcactagaa aatattacat | 300 |
| attatattat tatcttgtgt atatatatat aatacttacc gaacaccaag tactttacag | 360 |
| tattcaagta tttcctttta acgtaattaa tgaaatattc attatcttta atcttaattt | 420 |
| aaatataact aaacttcac tcaaatagga aggcgccgat taaaatcgga atagagatgg | 480 |
| caaataaacg aatggtgtgc ttactaaag gtgagttgcg cagttgctag tagtgtgacc | 540 |

<210> 887
 <211> 549
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 887
 cgttagctct tccgctcagc gaacccatcg ctggcacgcc cctcaacctg cagccaatga 60
 gtgaaatctg cggcactcaa ttctattcaa catggccgcc aaacggaagt cactcgaaga 120
 gcgagagagc gcgttggtg gcaagtgtaa atgtgtgtgc gtggctttcc cctgctgtgt 180
 tggtcgtttt gcagactttt tgcaccttta tttgtcattt gtgtgtaatt tcggaaaatg 240
 ttggcacatt atgacgctcg acgccagttg ggccggggtc gcgcgcttaa gtgtcctcca 300
 gggactttac ttcgttagca gaagtttctc gccctcatcg tccttcgtcc tttgcgggtt 360
 ccttggtgct gtggtttggt gctgtgctgt ggctgttgcc gtgcggtgcc gcactgtgtc 420
 gtttgcggtat gtgtctctta ttttcataac tgtaaattgc tttagatatt aagtctgctg 480
 tactagctgt ggatttccaa acggcactgt atgtgtgcgt gtgacagcaa aaggacgaag 540
 gatgggtct 549

<210> 888
 <211> 306
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 888
 agccagagag aacttgacag agctgcatcc ggcgcgaca aatcgaaccg gttatgtcag 60
 atagaaattt taaaaatttc ttgtaaataa ataaaaatcg aagtatctgt aaacatatac 120
 attgaaatta cctgagctct agtaacaact ctttaaaaag tagagaacct tacaattgga 180
 atatataacg aaatacacac attttgcgga aatgtatggc tttctttcag tttcagcttt 240
 gtttgccctc ctttttttta atttcaccag gttctcaaaa caagtttacc atcgtgcaaa 300
 gaattc 306

<210> 889
 <211> 579
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 889
 cccacgacca ttagccagcc gcatcggccg cgtcccggcc aaggggttgc tgagaccag 60
 agtcggggtc tggacgctc tttcaggtg ccctggccca catgctttcg tcgttcagtc 120
 ctctcttaat ggggggtct cgtaccctca ccctcacaca cagaggcca cttgggtgtg 180

aaagttctgc tgggctctgt ctgtgtcacg cttatgattt aataagcaaa tgtgctgcga 240
 aattgctgaa attgtttggc tgtecgatcat cccacacaatc cgaatctcgc cccacgcctt 300
 gaaatcactg tccgccgtat ttgcattga aatgcttttag ccaatgcgtc acggaagaag 360
 aaaagtgggc ggtagtcctg gcttgccctt tgattctcgt acctttaaat gcctttgcat 420
 ggagctagtt cttgcctaataaatcataat aaaaagttct aggtctgcaa aaatctaaaa 480
 tctcattcgg accattggaa tatttaatta tgttattatt atattaatat tcatagattg 540
 tttccaagtg caggtgatag agatttagaa aacgaattc 579

<210> 890
 <211> 191
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 890
 gctcaaagt agagacaggg agagagagag agtacacggc gtatgtgaaa gattcacttt 60
 tacacatcca aaaaagagat gtgagttatt ttaaattgtag tattaataa atctgaattt 120
 ttgccatatt aggcaattat ttgatcatcat tttttgatca tgatcttttg taaatattct 180
 ttttgggaatt c 191

<210> 891
 <211> 264
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 891
 ggaaagaccc cgaccacac tcgtgtggcg cccataaaaa cgatcatcgtt gcacataaaa 60
 cccgacagca aacaatgcag cttgccattt ggctgccgcc gtaatagttc ttttaattgct 120
 caaaaaagtc gtcaaagttc gactcctcca cccatataca taaatgtata tttaccacaa 180
 gcataacccg tacaaggtaa agtcggttgc tcgttgctcg tttgggcccc ttaatcactt 240
 ggagtgtagg gaggaggctg gggg 264

<210> 892
 <211> 537
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 892
 ggccgcgcct tttattgcgt ttttacgaag caattgtgcc tgcattcggg ggaaaaacta 60
 caaaatatta tttgatcgga ggaaacgaaa cactcgcagc aagcgacgag agcgaaatgc 120
 agcgtgcaag agcgagactg caccacagtc agcttttacc gttgcacgca gcgttgatga 180
 caagggaaag aaataaggac gcatgcgcga aaaatttctg ttggtcgctt gaagaacagt 240

| | | | | | | |
|------------|------------|-------------|-------------|------------|------------|-----|
| atataccaaa | tattggtttc | ggtttcaata | aagagaaatt | aaatggtaaa | tgtgtaacaa | 300 |
| aaggaaaaat | ttttaaatat | ttagattact | gttgagtaat | agttggcagc | tattttacac | 360 |
| acatagatgg | cgtgacgggt | actttttaca | gaactctgtt | acgtttggaa | aaatcagatc | 420 |
| tgtgagatca | tacatttttg | tattttaaact | atttttagcaa | ctggtaacac | tattcgacac | 480 |
| cggtgccatc | aattttgggt | caatttaaaa | ggaactatgg | ttttgcatac | acaaagt | 537 |

<210> 893
 <211> 1068
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|-------------|---|
| <400> 893 | |
| actgggcaca | atgggaaccg ccgagggcgg catgcgcaaa catatctgca ccgtccattt 60 |
| caactggtcg | ccaccagct ccggcttcaa atccaaacgc atgatctgta cgaaatcctt 120 |
| aagtacctgg | gcgggcaggt tcaacagccg gcagatgctg tgcagggaaat tgggtcggta 180 |
| tgggtggagct | gccactctgg tgtcaaagta ctgctctata accagcagat cgtcctggct 240 |
| aagctggaac | ggcggcggat gcttgtcggg catgggcggc agctgagaga ctttgagggtg 300 |
| cagcgtctgc | atgtgcatct gattcagcac cacctggcac tgcagtccat cgaccttgaa 360 |
| gagcaccact | cctggttctg tactgttttag ggcggtaagc gtctcctcgc tctgaatgtt 420 |
| tctgtgcaat | tgccttctca tataaacgca gcctagaaaa cgctctagag gactcatgtc 480 |
| cggcacattg | atataccttgt tcggatacgg actgggacga cacagagtct ccaaagcttc 540 |
| atgggtgagg | agagtaggaa ctgctccagc ccagggccga ttgagagtgc ctcgagagcc 600 |
| tcctctatcc | gtgccaccgg ccaactcctgc tccaccaccg gtgctcttgt gatcaggact 660 |
| ctgtccgggt | cgtggagatg ggcgcggcat gctgggggat ccggggccaat tgttattcgc 720 |
| cggcgacatg | gcggtgaagg gagagtcttg gtggctctgc atgtagagcg tgttgggtcc 780 |
| aggactatgg | accatgtggg gactgggctg aggatttagc ggagacgacg gcatcaagcc 840 |
| gcttggcgac | ggatgtggca tatgtggcgc tggcggtgac gtcaggttga agttgcccg 900 |
| gtccctgggg | tccactgccg ccacctgccc ccgcacttgg atgccgactg gcgggtgtgt 960 |
| gcggatttga | actggaaggc ggagtgtggg gggcaggaaa acgcagccac tgctctcggc 1020 |
| gattgcggtc | ccgcatttca gtacccaaaa tggtaggat ccaccaca 1068 |

<210> 894
 <211> 597
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|------------|--|
| <400> 894 | |
| gctgtggctg | tagtcaagcg agcgacatg agtcagattc gtagcttttg ttttgttcag 60 |

| | |
|--|-----|
| tcgagtgcga gttcttggcg attcagatac tcgctgccat ccgaaccgaa ctgaagtcca | 120 |
| agtcgaatct aatgtgcgta cttacgtgta gaacagttca agaaaatgtg cagacattca | 180 |
| acggtcgcat ttgtgtggat gtgtggttgt agtgaagagt gccagcatta atcgcatttt | 240 |
| ccccctgcac gagcaccacg actagaaaat actcgacacg tctgtctgtt tttctgcttt | 300 |
| attgcttcta cgtattctg cttttccgtt tcggttttcc tccgcttggc ctagtgaaaa | 360 |
| acaacaaatt tgattatatt gtgtaagtta tgtctagcat tgaaaagatg aaaagtgtca | 420 |
| ttcctataaa tacaccacca cctcgggaaa ggcactcgca atagagaaac tggccaaaac | 480 |
| ccaacaacaa acataacaaa caaaggaacc gcttgaatat aaccctaactt tcggagtaag | 540 |
| gggctgacta aaaagggtatt agtgcgcaac catcatgact aactcaccac ccaaac | 597 |

<210> 895
 <211> 491
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 895 | |
| gttgagcgcg acagtgggag agagaagagc gcgcaaaagt acagatgccg ccacacacac | 60 |
| attttttact accacacacg tttcattgaa aaaacatata cacaaaagct aaggccgtaa | 120 |
| accactgca aatttgcgaa aaaaaaacg aaatgaaatg aaaactaata ccaacacatg | 180 |
| gcttaaaatc tgctgcgcaa atttttgggc gatggctctg tgtgtttcgt tccgtatgcc | 240 |
| aaaacgtttc gcttgttttc gtttcatttc cacaccgctt tttttttttt ttttttgctt | 300 |
| tttcccatgc ggcatttatt ggcaacctgc gagcaaaaga gagggcgact aggggttggtg | 360 |
| tgcaagggga gatggagcgc tacggcttgt ttatgaaaaa cacatgattt tttgtgtcca | 420 |
| acagtttttg ggggcatggg cgaagagagg aagcacagga gtgcgaaaac tactattccc | 480 |
| catagtttac a | 491 |

<210> 896
 <211> 475
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|--|-----|
| <400> 896 | |
| gtccatccaa ggaatacgga gtttcggcac ctatgccgac gatcttcaga gtataaagtt | 60 |
| ttcctcgccg gttaccctga ttctgggcga gaacggatgc ggaaagacga ccgtggtaga | 120 |
| gtgtctcaag tacgccttga ccggcgagtg tccgccgggc agtgatcggg gcaagagttt | 180 |
| cgtccatgac cctaagatct ttgggctaaa cgagggtgcta gcgcagatca agatgcaggt | 240 |
| gcgggacagg ccgtggtgcc caagtgtcca tctgccgcac catgaagggtg tccaagaagc | 300 |

gcaacaaaat gtcctttgaa acaatggact ccaccatcaa cttcctgacc ggcgctggac 360
 agtcgaagcg cgaaaagcag gactctctaa gcggccgctc cgtggatatt cgacgtggcc 420
 atctcggact tcatggggtg tctccaggct attatcaaca atggctctgg ttttg 475

<210> 897
 <211> 461
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 897
 cgttcaacca tccacagtgc tgcgactat cgattgtttg tgttcgacta agatatcgga 60
 gtggaatgtg tttggtttaa gtgtgggcat aaatcgatca atcgatcaac ttctatttta 120
 gtacatatcc aaattcaaac tcttccgta acgatctaaa cggaaattta tcttgccctgc 180
 ttcttttaaat aagtataatc ttgaatatat tggcttgaag ttttcataag aaacactttt 240
 atttaaaaac attttggcta aatttcagcg cctaaattat catcgatatt cgccgccaca 300
 ccccaaaggc agttctccca atggccctca aacctaaact ggtgtttccg atgcaggcag 360
 ctctccagc ttcagctgac ttgcgcagaa tgaactggtg ccgtttaccg tgcgcacca 420
 gaagaaaggt atccccagtg aagtcccttt gactcctctg g 461

<210> 898
 <211> 507
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 898
 gcatggacga cttaaattccg ctggcgggca cggctcacct cctggaagag gttgacagtg 60
 agtaaattccg aatgaaagga aggccagtcg ttaaaaaccg gcgcattgca gagaaactga 120
 tggactttt gagagacgga cggactctga ttggatacct gcggtcctg gaccagttcg 180
 ccaacctggt gctgcaacgc accatcgagc ggatacatgt gggcaacgaa tacggcgaca 240
 ttcctcgtgg agtcttcac attcgcggcg agaattgtgt gctactgggc gaaatagtaa 300
 gctttactcg atacattttc aacatgactg attaacaccc tttaaataatg cgtaaaaggg 360
 accgtgaaaa ggagcagaaa ctgccactca aagagatatc cgtcgatgaa atcctggacc 420
 cccaacgtag ggaacaggag cagcggcagg agaaacaccg cctagtatcc aagcactaaa 480
 ggacgagcct ggcccgtaga tgccaac 507

<210> 899
 <211> 544
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 899

tggatgtctc ttgccgacgg gaccacctta tggtattttca tcaaaacgct aaaagctgtg 60
 aactggcaac ttataaaaaa aaaggtatatt tttttaaaata tttgggctac gcctactcta 120
 acgtcaagaa atgtcaaaac ctgtaggga aatacaaact atttcttata catatattgc 180
 atttattcag tcaaacatca gagcgtcgaa gctattattg aaactgtcgc tagatggcgc 240
 acatgtgtca catgtgtctc catctccctt gcactacctt gcaatgacta acgggtatct 300
 gatagtcgaa aaggtgcaaa attgaaaaga tgtgcgcaag tatttaaaata gctgctgaa 360
 atctctgtac agcaattcat tttgggtaat caaataaaaa atataataat ttttcaaaga 420
 tttttaatga cttttaattg acttcaggat gataagagag ttcataaagg caagcaaata 480
 ttctgaattt gaccagagaa ttggtatgta ttataataac gtcattcttca tcattaattc 540
 gatt 544

<210> 900
 <211> 528
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 900
 gtgttggcca tatcagagaa cctgtcagaa aagcgaaaag ggggttcgag ccacgaaggt 60
 ggctttcaca cgtcatgggc ataattgaaa attgacagtt tattgccata ggcacgcca 120
 cttttggcct cctggccttg ttggccatga ttaaaataac aaaagcacgc aaatacacac 180
 acacacacac aactcaacc acacacactc actccggcga tgcttgtcta catcgccgtg 240
 aagacggacg tcttaaatca acgctgcgcg aaataactga aaccatagta gttgtgtcgg 300
 cccggtgtgc gcggaatct agcaaaacca cacggtggga gtcgcgcca tagttctgcg 360
 ctgcaatcac gccgagttaa ttgtgcgcct gttccgggta aataggtaat ttattatctt 420
 gcgattattg cagcggataa agcagctgat agcgtgccca acttgcgcac ggggcgatct 480
 ggaaaggaaa gcgttcgaga caaccggtgt gatcagtggg tgtgttgc 528

<210> 901
 <211> 521
 <212> DNA
 <213> *Drosophila melanogaster*

<400> 901
 gtttggacat cacaaagtct ccgaaaggct aactttactt tctccacatc gccaaggcg 60
 aagtagcaga gtaagaggtg aatgctactt ctaatgtttg cccgctccgt catgatgaac 120
 tcaaagctag aagcagcatc tgaataagag cccatgcgaa taaaaaggat tccaatgttt 180
 tcacggatct ttagccttaa ctgacttaag ctctttggta cagaatcaag ggccatgcgg 240
 tacattttta cgccttttg gtaaataccc atgctgtagt agatgttacc catatttagt 300

| | |
|---|-----|
| tttagctgat tgacgtgtgg aaacatcttg tttttggcca taatgctgta ggtattgagg | 360 |
| gcttcgatgt gcatctcact ccgttcgtat tgctccgca gattaataaa aacctatagt | 420 |
| ccatatatat taaagtttta aattatcctt ctaatcgtgc ttaccgcata tgtcaaatcg | 480 |
| aaagttgtga taaacatttc accgtgctgg tctcaaattg g | 521 |

<210> 902
 <211> 378
 <212> DNA
 <213> *Drosophila melanogaster*

| | |
|---|-----|
| <400> 902 | |
| ggccgtaact aagttaacca ttcggattgc accaatacaa ttgcctcttg aatttcacca | 60 |
| gagcggggaa ggttcgggaa tataatattg ccatttatgg aagtggatct gcctaagag | 120 |
| aactgcgttt cccggaaaga ggtgcaccaa tcgaccttaa gttacaaga tcaccaaagt | 180 |
| tgaaagaatt aattttttta tctaaaaaca aaagtgaata ctctcaaac aataaataaa | 240 |
| aacggcagtg aaataccact ttcaataaaa caaaatttat aaaatatttc ttaaagctgt | 300 |
| aaacagtggc gcattcgcaa tgcattttgc caaaaaacaa acgccacaca tggatatgtg | 360 |
| tatggtatgg gaatatgt | 378 |